

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

677' FNL, 1935' FEL of SEC. 24

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6 miles southeast of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2000'

16. NO. OF ACRES IN LEASE

1120

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

5560'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Ungraded GL: 4564'

22. APPROX. DATE WORK WILL START*

June 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5# K-55	100'	150 sx cmt to surface
12-1/4"	9-5/8"	36# K-55	1250'	750 sx cmt to surface
8-3/4"	7"	23# K-55	5560'	500 sx cmt or sufficient to cover zones of interest

Superior Oil proposes to drill the subject well and complete in the Ismay and/or
Desert Creek formations.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 4/13/84

BY: T. Greg Merrion

RECEIVED

APR 23 1984

DIVISION OF OIL
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

T. Greg Merrion

TITLE Petroleum Engineer

DATE 4-18-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

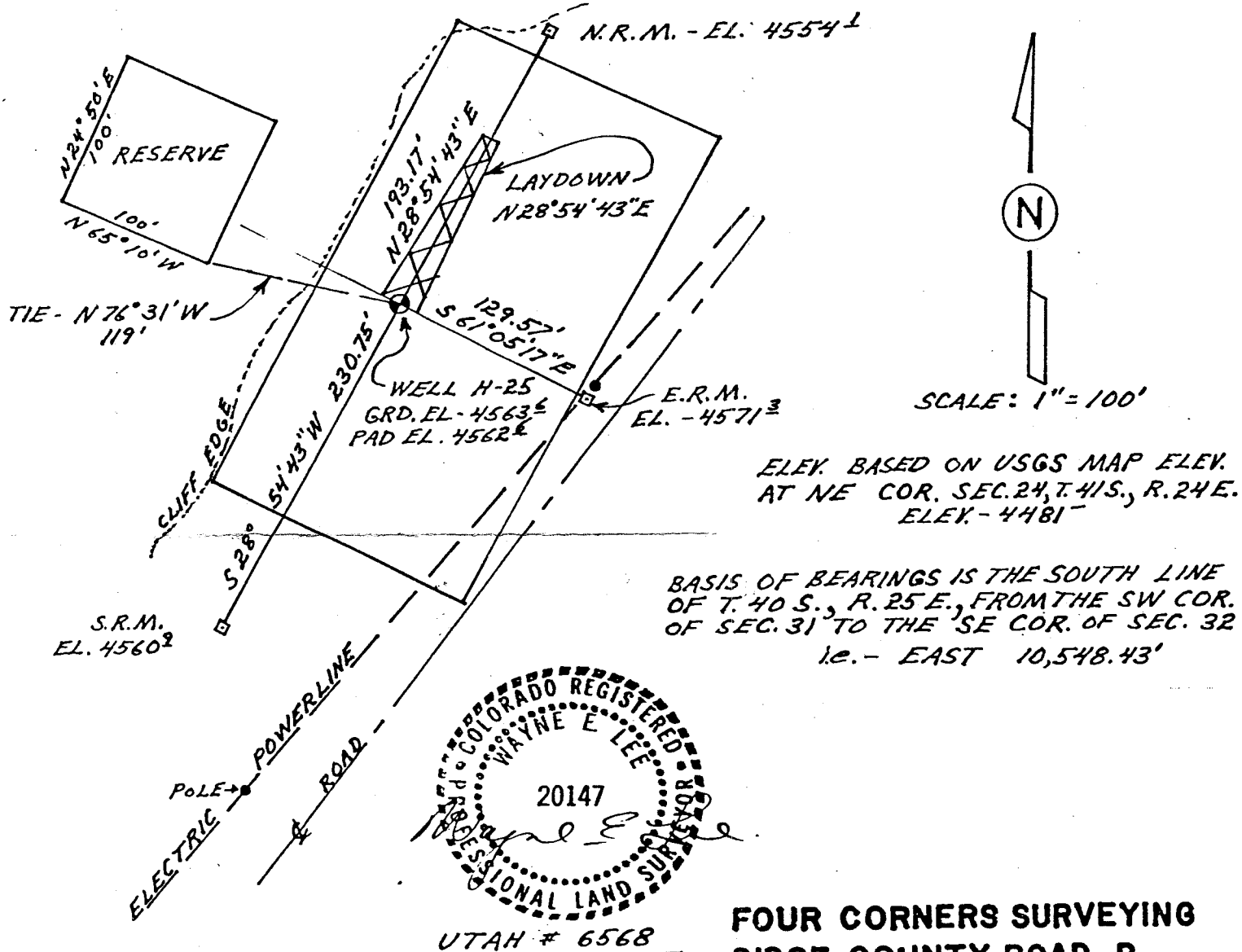
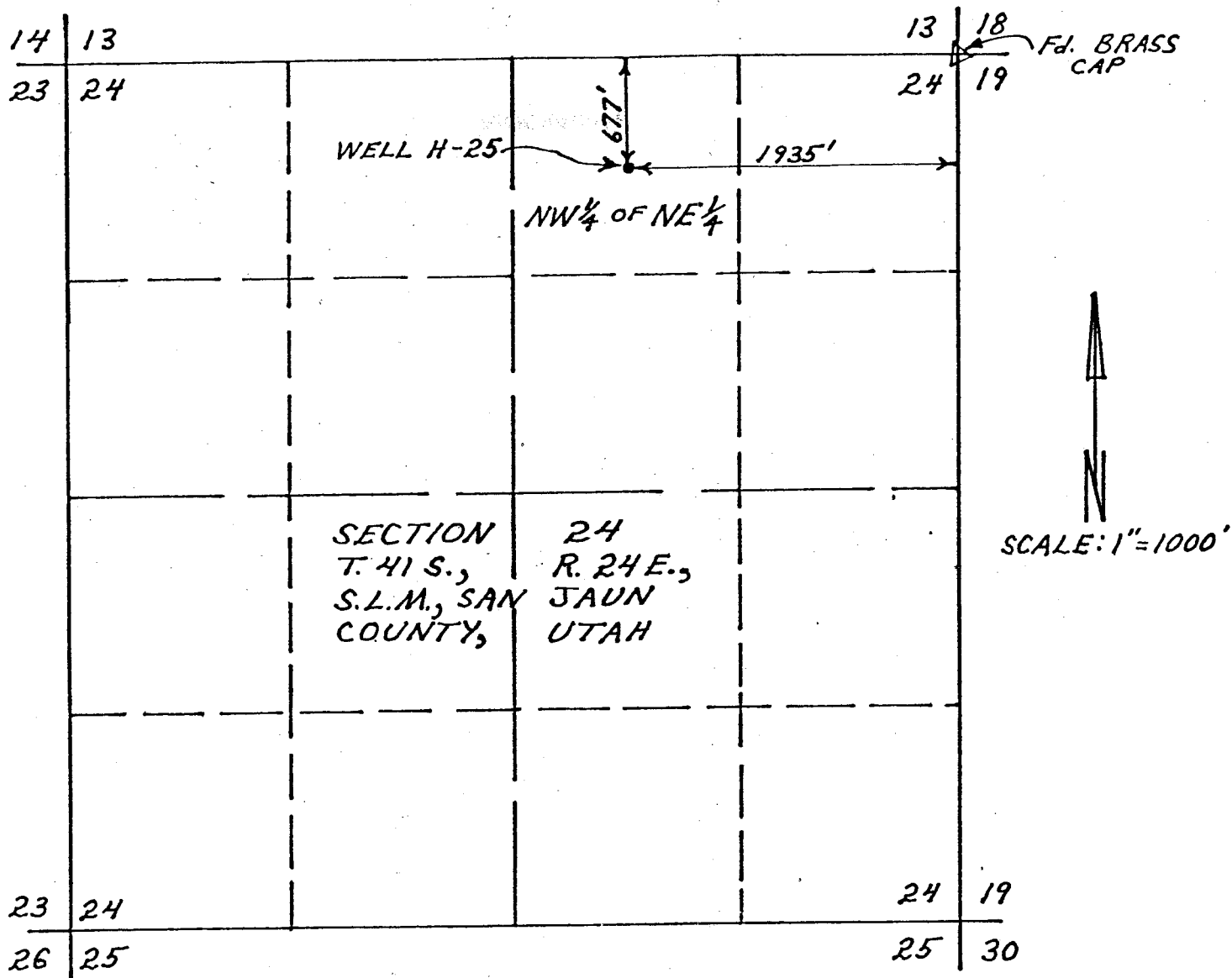
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

SUPERIOR OIL COMPANY - WELL H-25



SUPPLEMENT TO FORM 3160-3

WELL: McELMO CREEK UNIT #H-25

ELEVATION: Ungraded GL: 4564'

SURFACE FORMATION: Dakota

ESTIMATED FORMATION TOPS:	<u>Formation</u>	<u>Top*</u>
	Chinle	1196'
	DeChelly	2396'
	Organ Rock	2626'
	Hermosa	4381'
	Ismay	5197'
	Lower Ismay	5312'
	Gothic Shale	5352'
	Desert Creek	5366'
	Chimney Rock Shale	5514'
	TD	5560'

*Measured from KB Datum.

WATER BEARING FORMATION: Fresh water is expected to be encountered intermittently from 100' to 1196'.

HYDROCARBON BEARING FORMATION: Oil & gas could be encountered in the Ismay and Desert Creek from 5197' to 5514'.

MUD PROGRAM:

Surface to 100' - spud mud.

100' to 1250' - fresh water.

1250' to 2300' - fresh water/gel/polymer.

2300' to 5100' - lignosulfonate mud system.

5100' to TD - lignosulfonate mud system. Water loss controlled to 15 cc or less and weighted with barite as necessary.

CASING PROGRAM:	<u>Depth</u>	<u>Size</u>	<u>O. D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Conductor	0-100'	17-1/2"	13-3/8"	54.5#	K-55	ST&C
Surface	0-1250'	12-1/4"	9-5/8"	36#	K-55	ST&C
Production	0-5560'	8-3/4"	7"	23#	K-55	ST&C

ALL CASING WILL BE NEW.

(2)

CEMENT PROGRAM:

Conductor - cement to surface w/ 150 sx Class 'B' + 2% CaCl.

Surface - cement to surface w/ 600 sx Lite + 10#/sk Gilsonite + .4% LoDense + 5#/sk LCM & 150 sx Class 'B' + 2% CaCl.

Production - 500 sx Class 'B' + 1.7% D-29 (anti-migration additive) + .3% R-5 (retarder). Est TOC: 4700'.

PRESSURE CONTROLS:

Blowout preventer equipment will be 10" Series 900 (3000 psig working pressure) with blind rams and drill pipe rams hydraulically and manually controlled. The BOP's will be tested to 1500 psig and actuated daily to insure proper functioning. The schematic of the pressure control equipment can be seen on the attached diagram.

LOGGING PROGRAM:

DIL/SFL: TD to 1250'.

CNL/FDC: TD to 3560'.

MICROLOG: TD to 3560'.

HIGH PRESSURE AND/OR H₂S GAS: High pressure gas or gas containing detectable H₂S are not anticipated while drilling this well.

DRILL STEM TESTS:

None.

CORING:

None.

ANTICIPATED STARTING DATE:

June 1, 1984

SUPERIOR OIL

April 18, 1984

Mr. Mat N. Millenbach
Area Manager
U. S. Department of Interior
Bureau of Land Management
Caller Service 4104
Farmington, New Mexico 87499

Re: Surface Use Development Plan
Proposed Well
McElmo Creek Unit #H-25
677' FNL, 1935' FEL
Section 24, T41S, R24E SLM
San Juan County, Utah

Gentlemen:

We submit the following Application with Plats for permission to drill the referenced well.

1. The existing roads are shown on the attached Plat No. 3. Direction to the location from Montezuma Creek, Utah are as follows:

From the San Juan River Bridge at Montezuma Creek go south on the black top 0.4 miles to the Red Mesa Highway. Go southeast 1.2 miles to a dirt road on the left. Proceed east & south on the gravel road 5 miles. Turn right .25 miles to the location. (Refer to Plat No. 3).

2. No access road will be constructed. (The location is on the edge of an existing road. (Refer to Plat No. 3).
3. Location of existing wells within one mile (refer to Plat No. 5).
 - a. Water wells - none.
 - b. Abandoned wells - none.
 - c. Temporarily abandoned wells - 2.
 - d. Disposal wells - none.
 - e. Drilling wells - none.
 - f. Producing wells - 14.
 - g. Shut-in wells - none.
 - h. Injection wells - 6.

SUPERIOR OIL

4. There is one existing producing facility owned and controlled by Superior Oil within a one-mile radius. A 4500' flowline will be laid northwest from the proposed location to the facility. (Refer to Plat No. 4).
5. Location and type of water supply will be from Superior's McElmo Creek Unit fresh water supply wells near the San Juan River (SW 1/4 Sec. 17, T41S, R25E SLM). Water will be trucked to the location over existing roads and access road to be built.
6. Source of construction materials necessary to build the drilling pad will be obtained from the location. If gravel is needed to maintain existing road or to top off the drilling pad it will be trucked from a privately owned gravel pit 0.25 miles west of Montezuma Creek.
7. Methods of handling waste disposal is to collect it in an earthen pit 6' to 8' deep with steep sides and fenced with small mesh wire and located near the mud pit. The reserved mud pit will be located on the south side of the location. When drilling operations are complete the mud pits will be allowed to dry and then backfilled and leveled to the contour of the original landscape. The reserve pit will be fenced on three sides while drilling and on the fourth side as soon as the drilling rig moves out. OSHA approved chemical toilets will be provided and maintained. (Refer to Plat No. 6 & 7).
8. Ancillary facilities. No permanent campsites or airstrips will be constructed. Two small portable trailer houses for Superior's and contractors drilling Supervisory personnel will be on the location while drilling the well. (Refer to Plat No. 6).
9. Wellsite layout. The location and position of all drilling equipment is shown on the attached plat. There is also a plat attached showing the cross section diagram of the drill pad including all cuts and fills. Material from the location will be used for pad elevation. (Refer to Plats No. 6, 7, 8, & 9).
10. Plans for restoration of the surface. Upon completion of drilling operations the site and unused portion of the access road will be restored to the contour of the original landscape. Upon abandonment of the location a reservoir will be built south-west of the location, no seeding is required.
11. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation is sparse desert type ground cover consisting of Galleta, Alkali Sacaton, Black Brush Mountain Mahogany, Two Scale Mormon Tea, Rabbit Brush and Narrow Leaf Yucca. There are no Indian habitations or artifacts in the immediate vicinity of the access road, flowline or drill site.

SUPERIOR OIL

12. Superior's representatives:

Permitting - Wm. H. Edwards

Construction - C. D. Likes

Drilling - J. E. Gagneaux

Production - D. C. Collins

Mailing address - P. O. Drawer 'G', Cortez, Colorado 81321

Telephone (24 hours) - 303-565-3733

Dirt Contractor - Perry McDonald Construction

P. O. Box 1750, Cortez, Colorado 81321

Telephone - 303-565-3656

Drilling Contractor - not determined at this time.

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by the SUPERIOR OIL COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

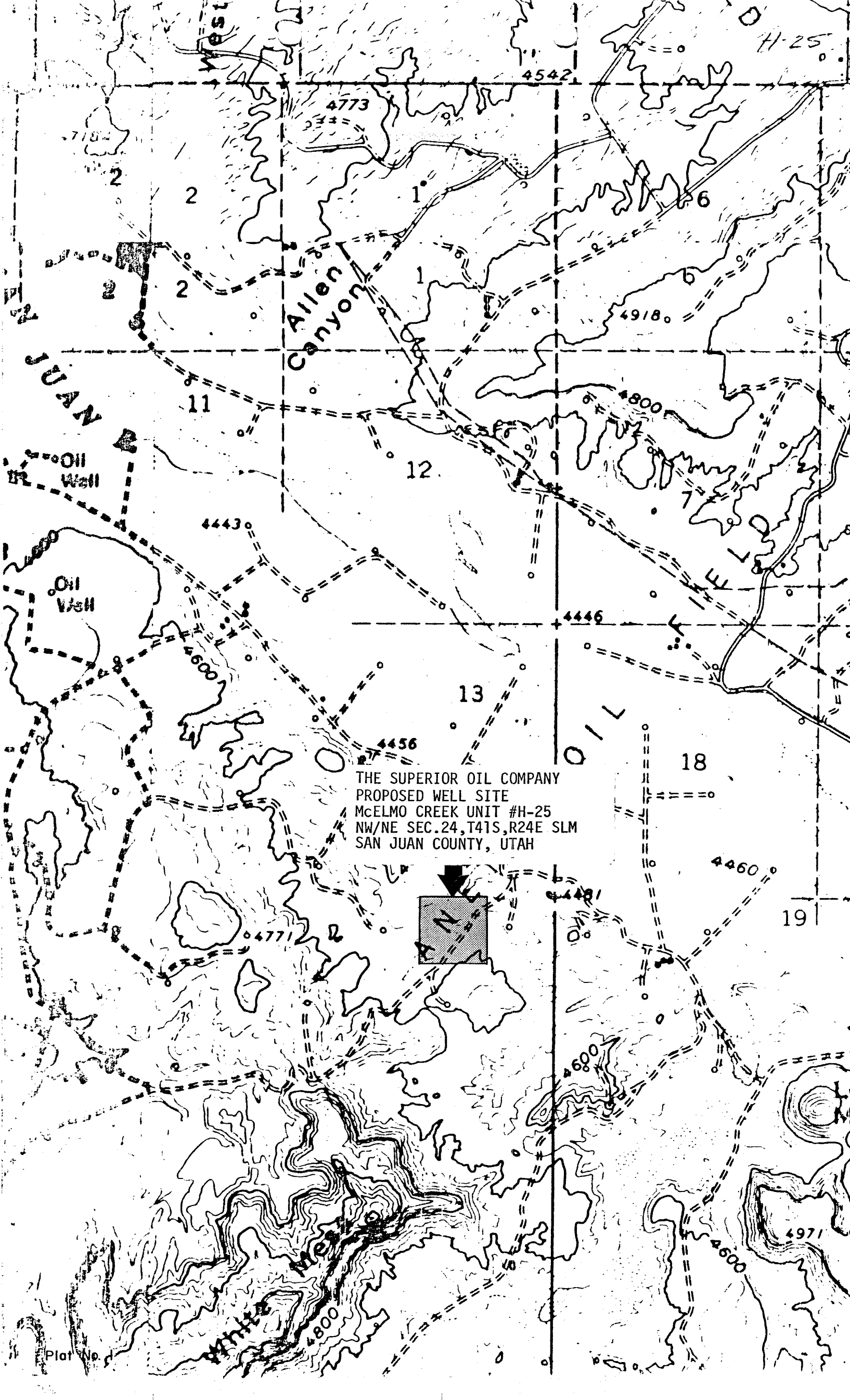
Respectfully submitted,

SUPERIOR OIL COMPANY



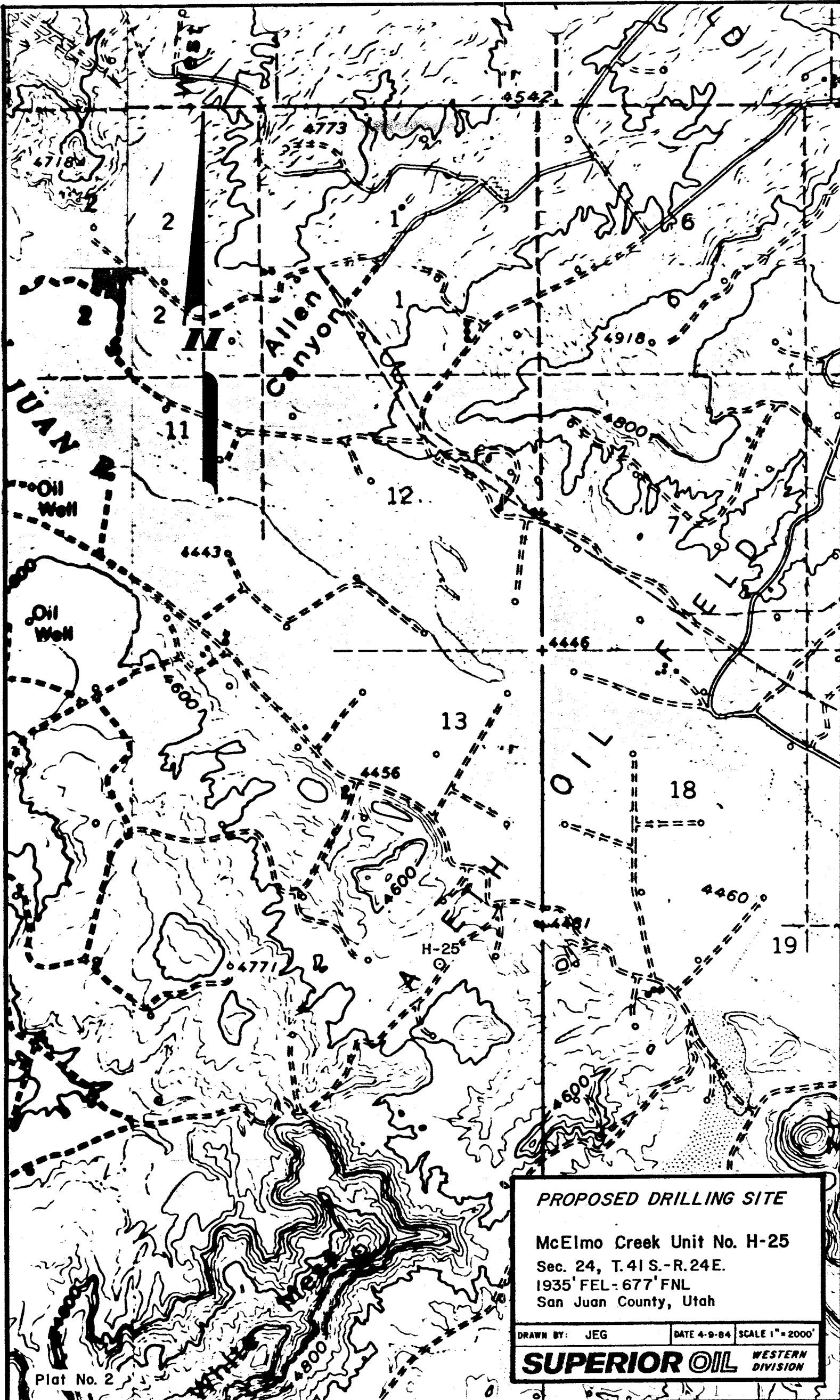
Wm. H. Edwards
Special Projects Superintendent

WHE/1h



THE SUPERIOR OIL COMPANY
PROPOSED WELL SITE
McELMO CREEK UNIT #H-25
NW/NE SEC. 24, T41S, R24E SLM
SAN JUAN COUNTY, UTAH





Plat No. 2

PROPOSED DRILLING SITE

McElmo Creek Unit No. H-25
Sec. 24, T.41 S.-R.24 E.
1935' FEL-677' FNL
San Juan County, Utah

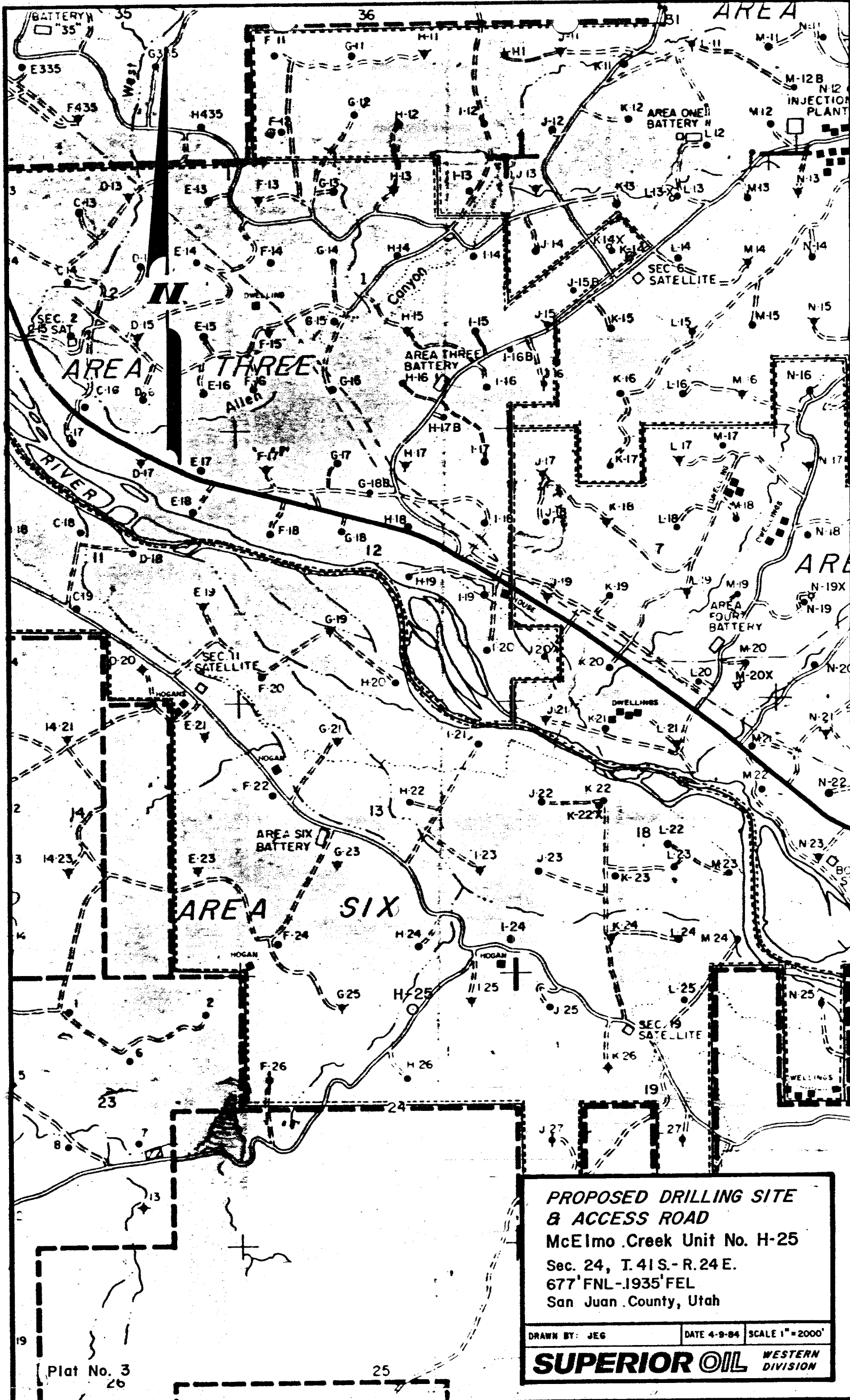
DRAWN BY: JEG

DATE 4-9-84

SCALE 1"=2000'

SUPERIOR OIL

WESTERN
DIVISION



PROPOSED DRILLING SITE
& ACCESS ROAD
McElmo Creek Unit No. H-25
Sec. 24, T. 41 S. - R. 24 E.
677' FNL - 1935' FEL
San Juan County, Utah

DRAWN BY: JEG

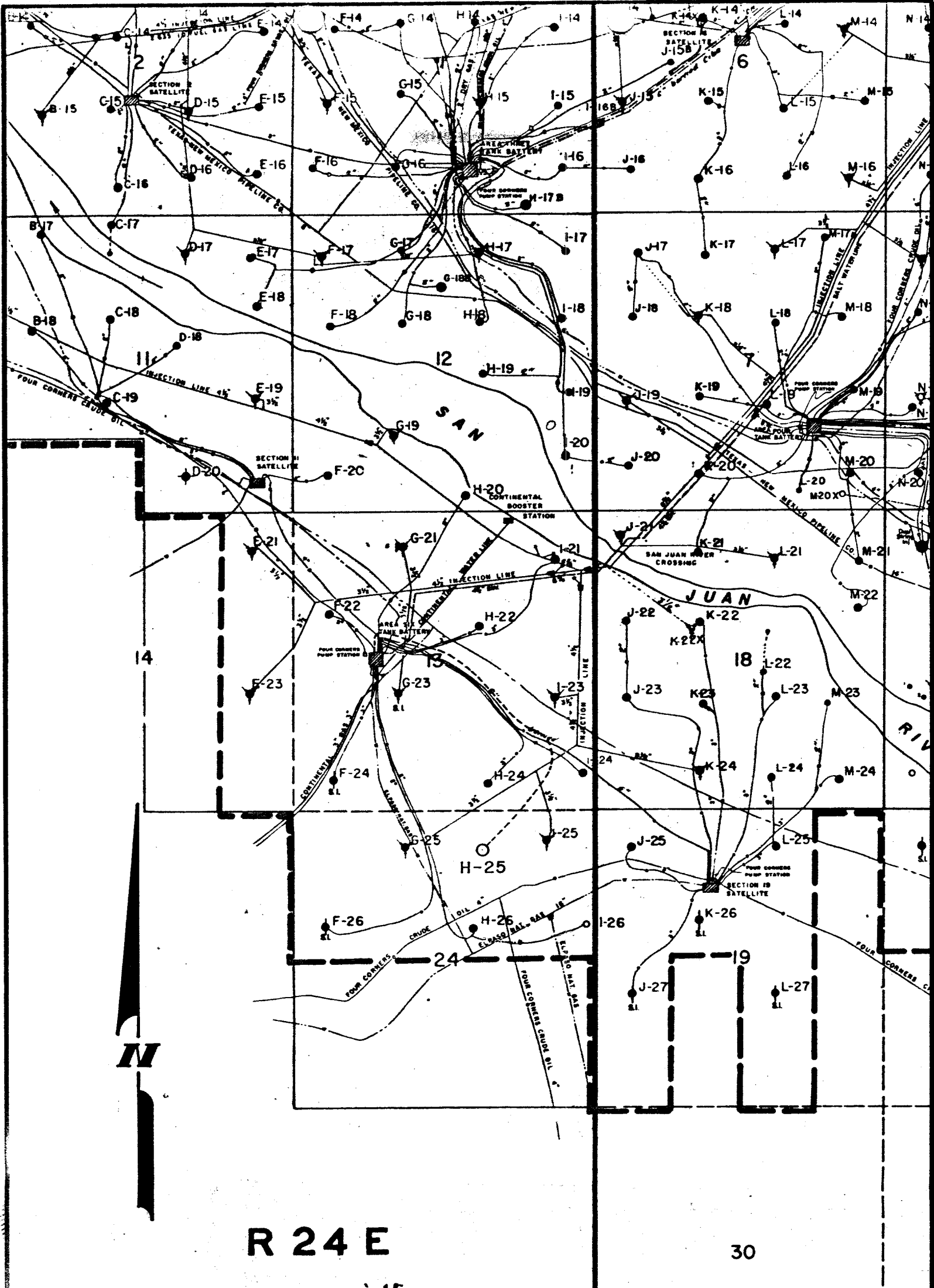
DATE 4-9-84 SCALE 1" = 2000'

SUPERIOR OIL

WESTERN
DIVISION

Plat No. 3
26

25

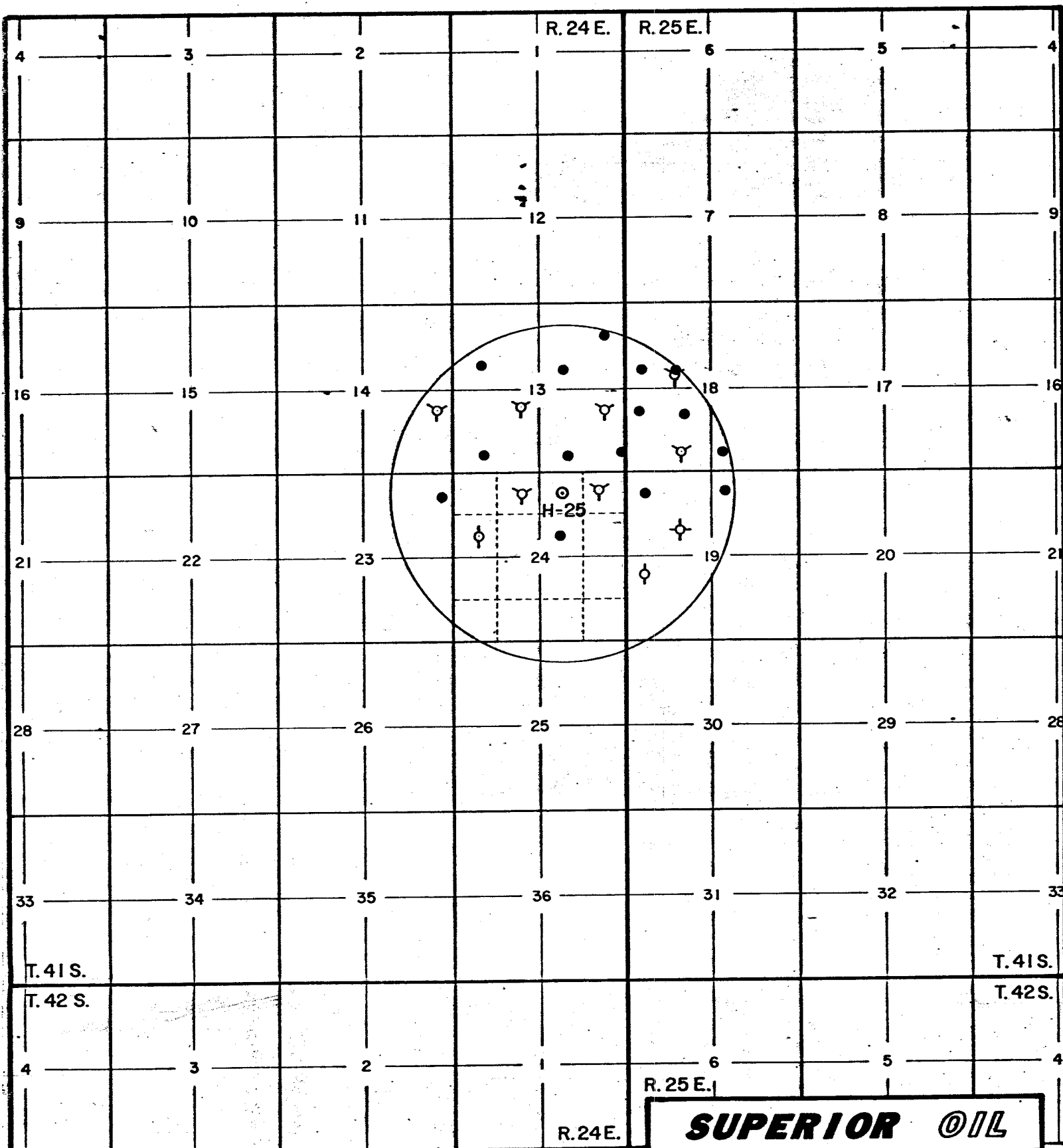


**PROPOSED DRILLING SITE
& FLOWLINE**

McElmo Creek Unit No. H-25
 Sec. 24, T.41S. - R.24E.
 677' FNL - 1935' FEL
 San Juan County, Utah

DRAWN BY: JEG	DATE 4-9-84	SCALE 1" = 2000'
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SUPERIOR OIL WESTERN DIVISION



- Proposed Well
- Producing Well
- ⊗ Gas Well
- ⊕ Water Injection Well
- ⊖ Temporarily Abandoned
- ⊗ Plugged and Abandoned

Plat No. 5

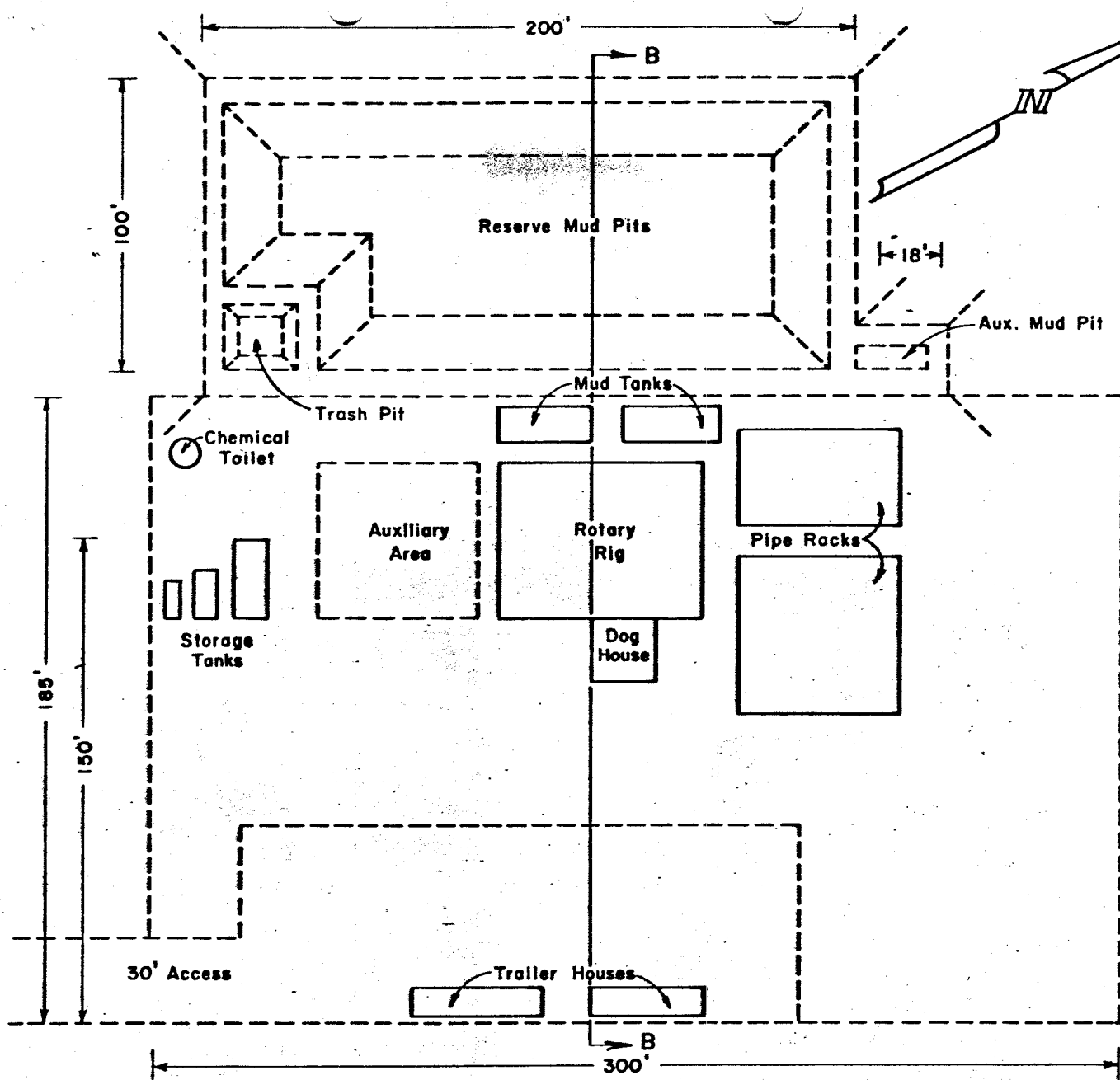
SUPERIOR OIL

EXISTING WELLS
SURROUNDING
PROPOSED WELL

0 1/2 1 mile

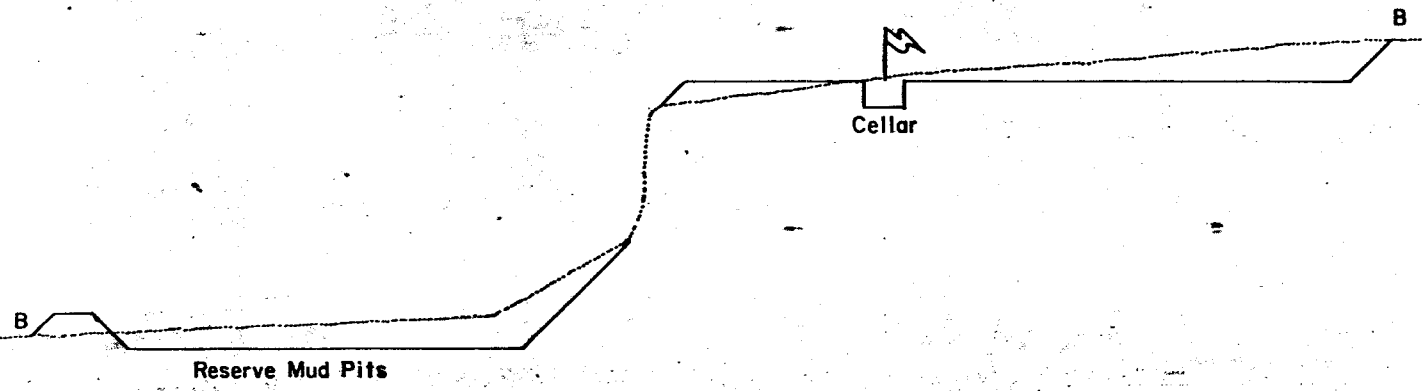
By: JEG

Date: 4/4/84



The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE
M.C.U. H-25
Original Elev. 4563.6'



Original Contour _____
Reference Point _____
Graded Proposal _____

THE SUPERIOR OIL CO.

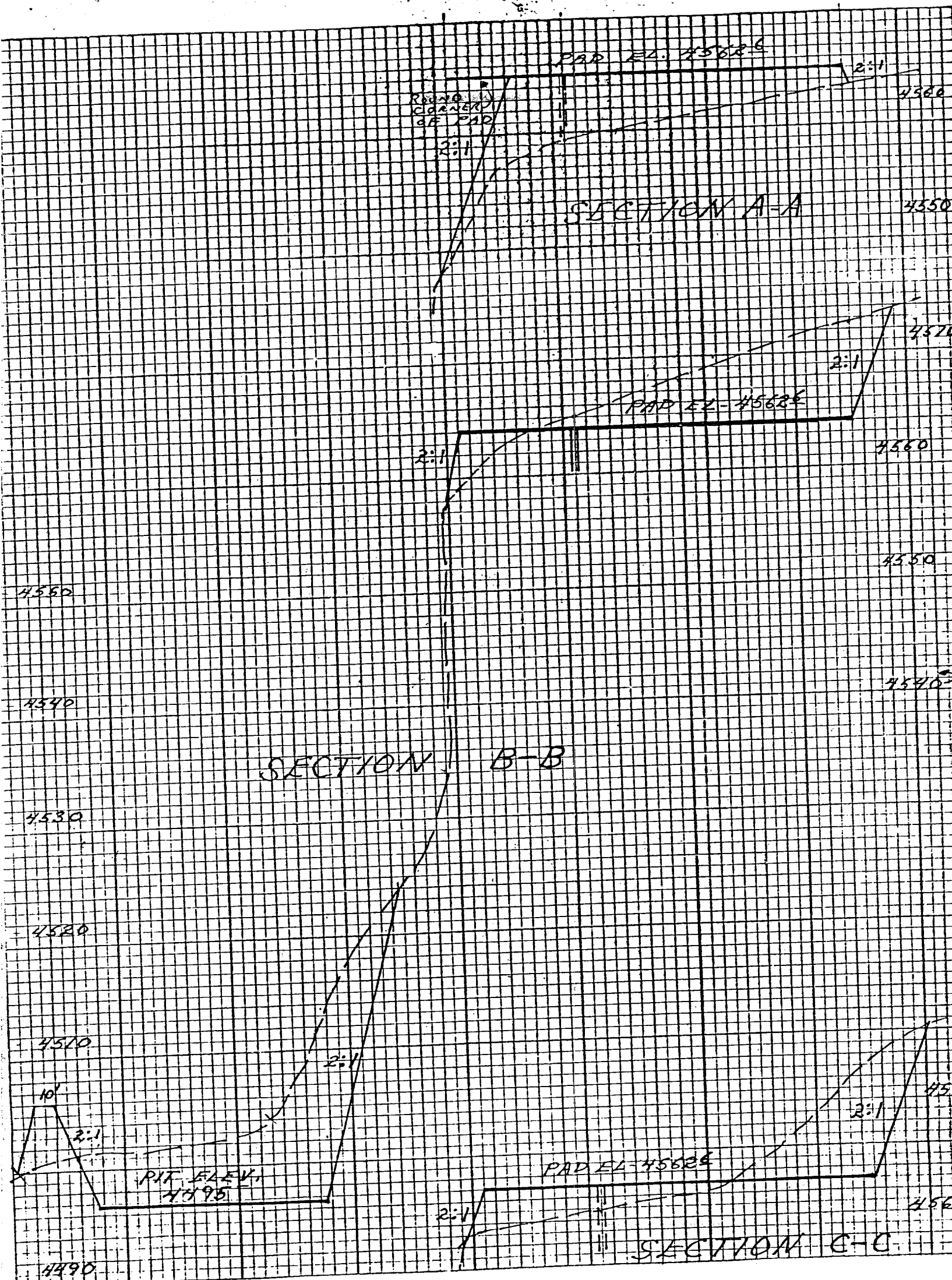
CORTES-CASPER DISTRICT
ENGINEERING DEPARTMENT

**RIG LAYOUT & DRILL
PAD CROSS SECTION**

McElmo Creek Unit No. H-25
Sec. 24, T.41S.-R.24E.
San Juan County, Utah

BY JES DATE 4/9/84
SCALE 1" = 50' REVISION

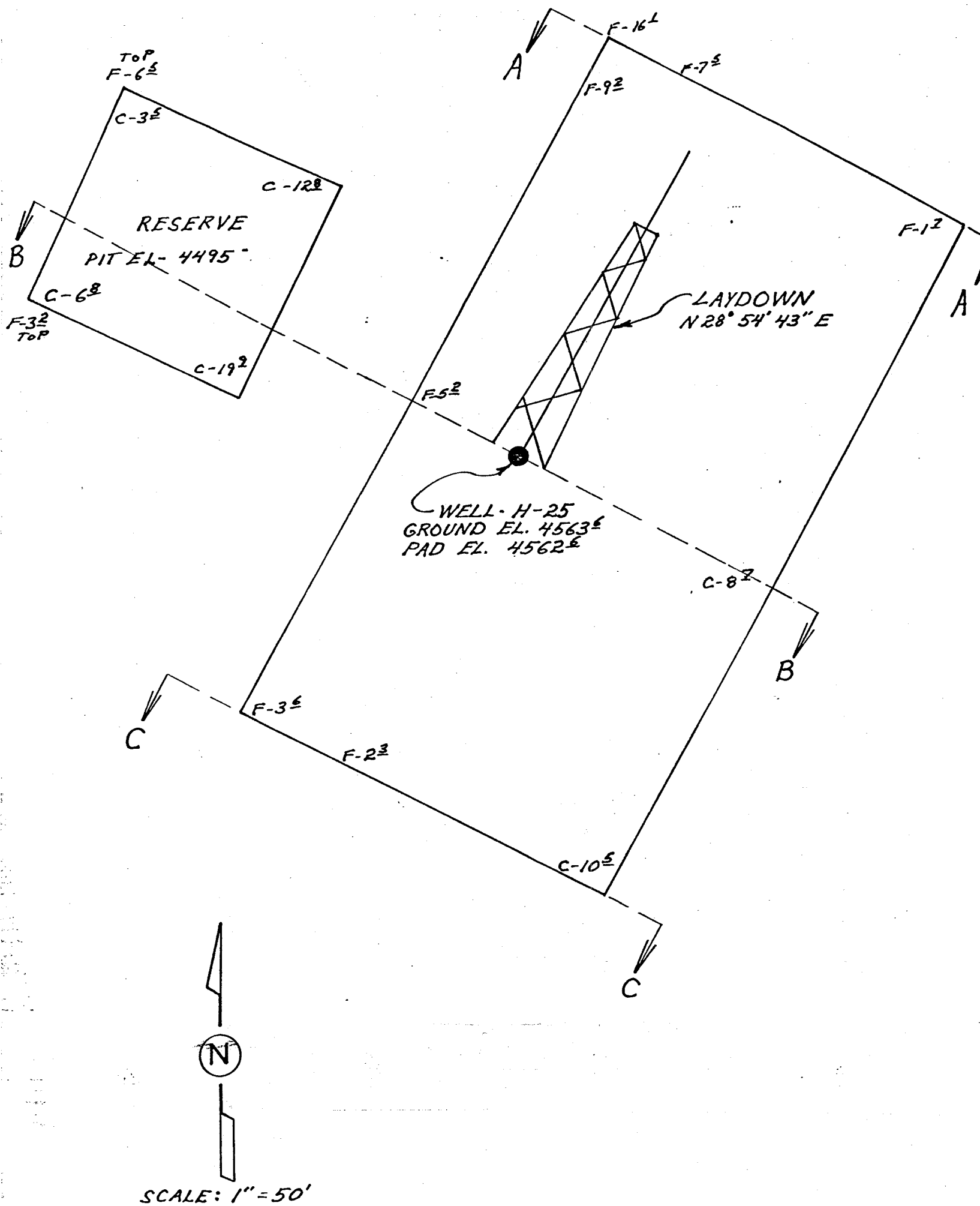
SUPERIOR OIL COMPANY - WELL H-25



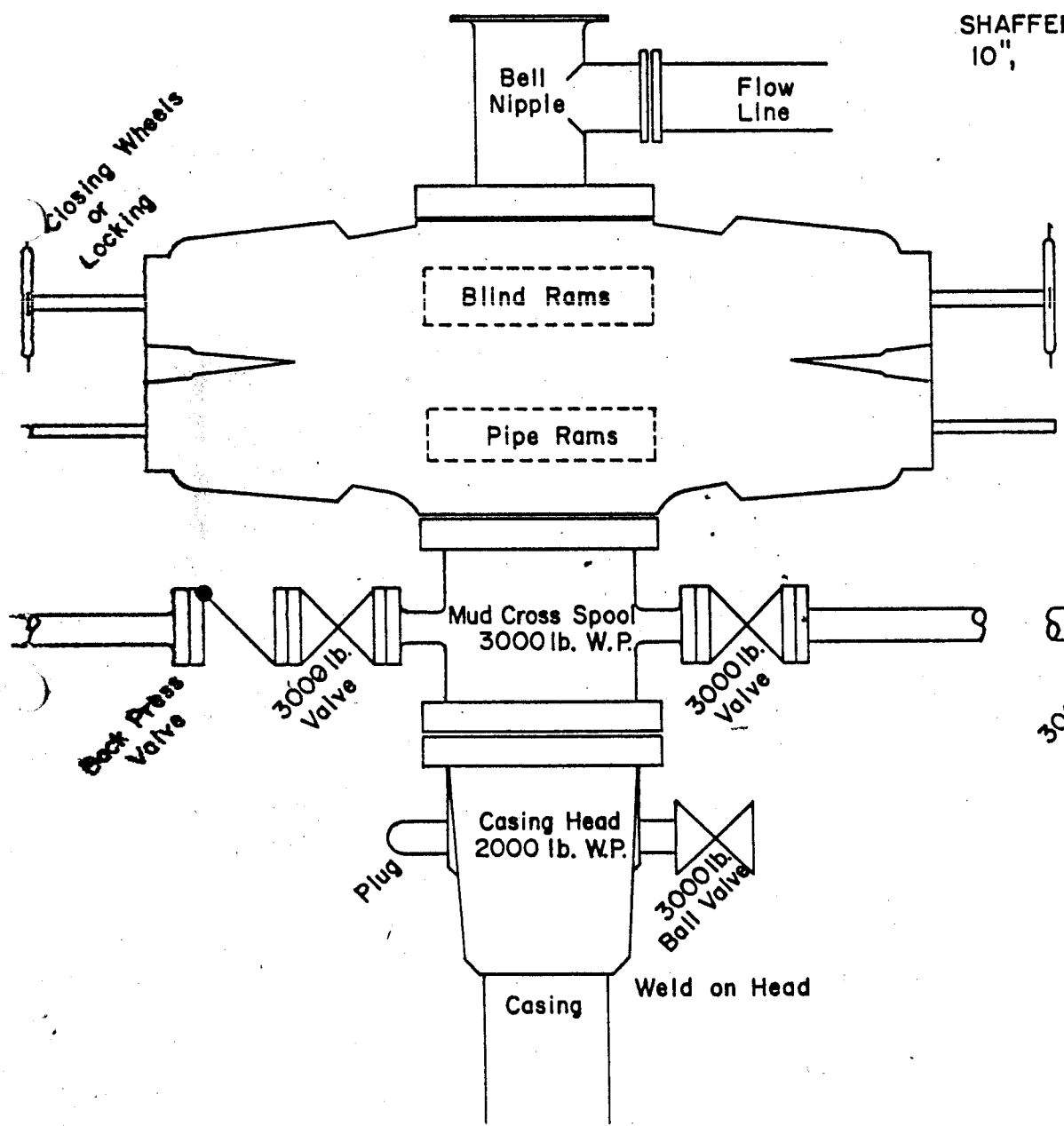
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

FOUR CORNERS SURVEYING
21283 COUNTY ROAD P
CORTEZ, COLORADO 81321
303-565-4894

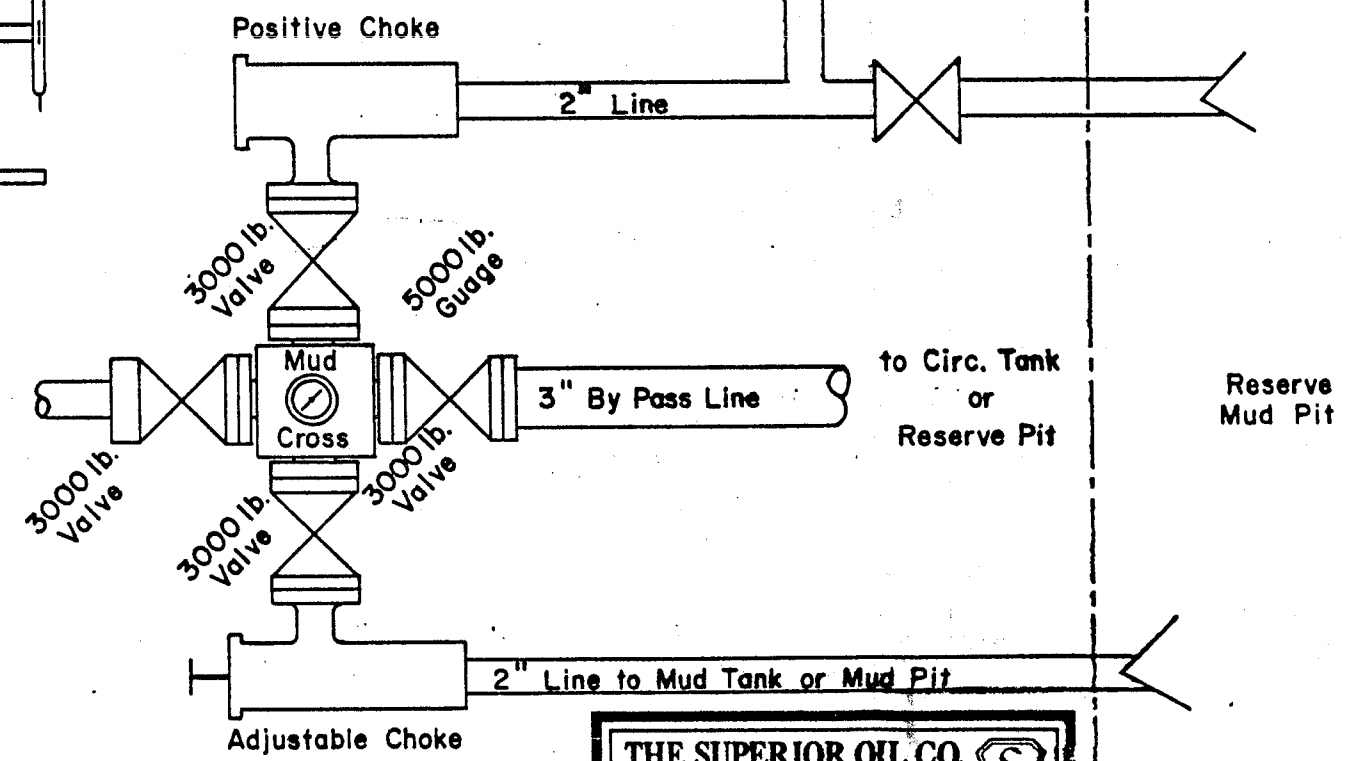
SUPERIOR C'L COMPANY - V'ELL H-25



FOUR CORNERS SURVEYING
21283 COUNTY ROAD P
CORTEZ, COLORADO 81321
303-565-4894



SHAFFER DOUBLE GATE BLOW OUT PREVENTER
10", 3000 lb. W.P., 6000 lb. Test, Type E



THE SUPERIOR OIL CO.

CORTEZ-CASPER DISTRICT
ENGINEERING DEPARTMENT

**SCHEMATIC DIAGRAM
OF PRESSURE CONTROL
EQUIPMENT**

BY JES DATE 6/25/79
SCALE NONE REVISED

OPERATOR Superior Oil DATE 4/24/84

WELL NAME Mc Elmo Creek Unit H-25

SEC NWNE 24 T 41S R 24E COUNTY San Juan

⁰³⁷
43-047-31010
API NUMBER

Ind.
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐☐

NID

☐

PI

☐☐

MAP

☐☐

PROCESSING COMMENTS:

Needs Water

APPROVAL LETTER:

SPACING:

☒

A-3

Mc Elmo Creek
UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

1. Water

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER _____

☒ UNIT McElmo

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

April 27, 1984

Superior Oil Company
P. O. Drawer G
Cortez, Colorado 81321

RE: Well No. McElmo Creek Unit H-25
N&E Sec 24, T. 41S, R. 24E
677' FNL, 1935' FEL
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983, and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

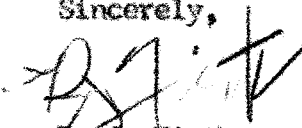
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Superior Oil Company
Well No. McElso Creek Unit H-25
April 27, 1984
Page 2

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31010.

Sincerely,



R. J. Firth

Associate Director, Oil & Gas

RJF/as

cc: Branch of Fluid Minerals
Bureau of Indian Affairs

Enclosures



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 8, 1985

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Gentlemen:

Re: Well No. McElmo Creek Unit H-25 - Sec. 24, T. 41S., R. 24E.,
San Juan County, Utah - Lease No. 14-20-603-370
Operator of Record: Superior Oil Company

The above referred to well in your district was given state approval to drill April 27, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

Pam Kenna
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/65

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-370
2. NAME OF OPERATOR Superior Oil Company/Mobil Oil Agent		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P.O. Drawer G Cortez, Co. 81321		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 677' FNL 1935' FEL of Sec. 24		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. H-25
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 4564		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24 T41 S-R 24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is now proposed to cement the long string with a DV tool to be located at 2950'.
252 cubic ft. of cement will be located from TD to 4200' and 184 cubic ft. of cement
will be located from the DV tool to 2250'.

Federal approval of this action
is required before commencing
operations.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6/24/85
BY: John R. B...

18. I hereby certify that the foregoing is true and correct

SIGNED

C. N. Eggerman

TITLE Sr. Regulatory Engineering
Adviser

DATE

6/13/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AMENDED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY, through its agent, MOBIL OIL CORP.

3. ADDRESS OF OPERATOR

P. O. DRAWER G, CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

860' FNL, 1640' FEL of Sec. 24

At proposed prod. zone

550' FNL, 2225' FEL, Sec. 24

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

6 miles southeast of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2000'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

16. NO. OF ACRES IN LEASE

1120

19. PROPOSED DEPTH

5560'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Ungraded GL: 4589.3

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5# K-55	80'	cement to surface
12-1/4"	9-5/8"	36# K-55	1250'	cement to surface
8-3/4"	7"	23# K-55	5560' TD	1. cement from TD to 4200' 2. cement from 2950'-2250'

Due to difficulties in mitigating archaeological concerns at footages (677' FNL, 1935' FEL) contained in the April 18, 1984 APD, Superior Oil through its agent, Mobil Oil Corporation, revises the above-referenced well to reflect a change at surface location and bottom hole location. Mobil Oil will be drilling a deviated hole and the revised drilling program reflects the changes.

The drilling objective is to complete in the Ismay and/or Desert Creek formations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Chyd J. Benally

TITLE Sr. Regulatory Coordinator

DATE 7/16/85

(This space for Federal or State office use)

43-037-31010

PERMIT NO.

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8/21/85

BY: *John R. Day*

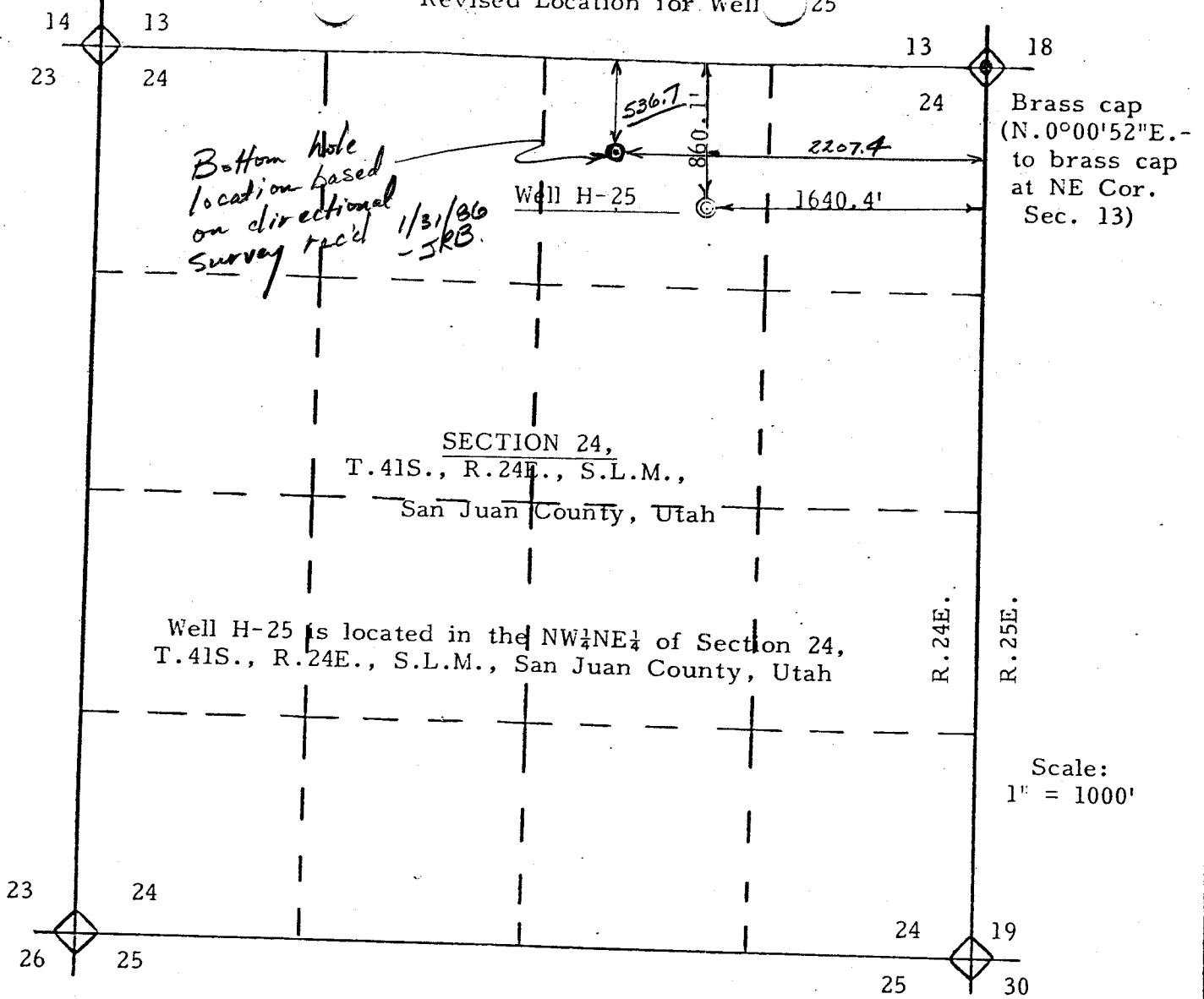
WELL SPACING: *As per well A-3*

APPROVED BY

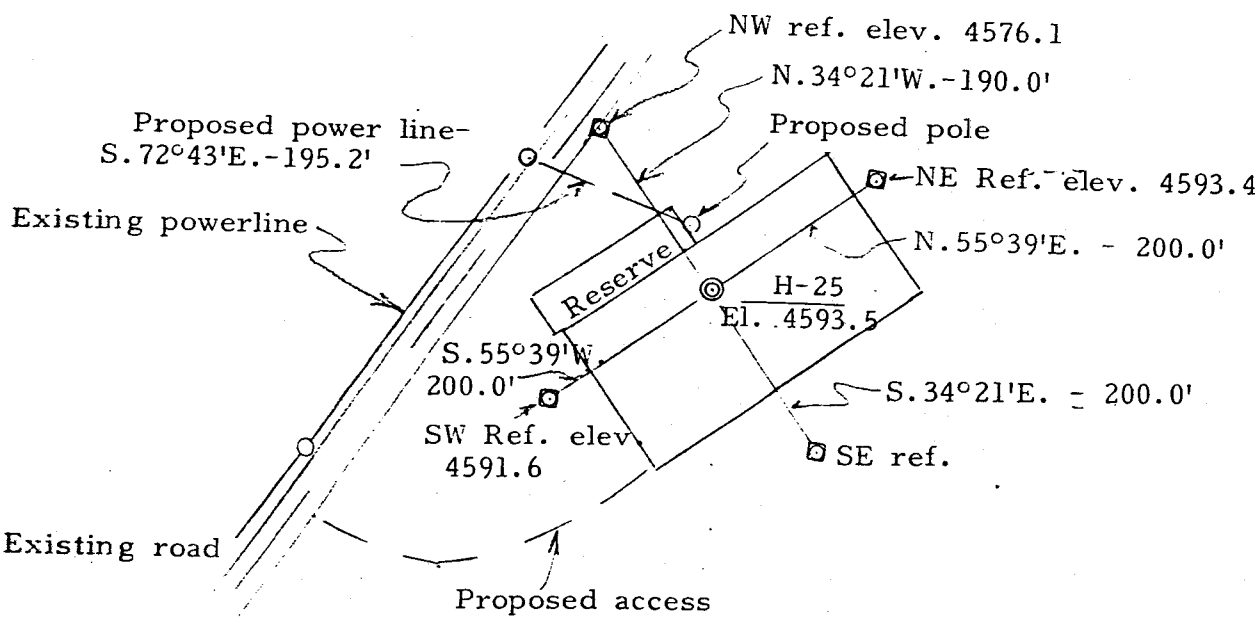
TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



See Sheet 4 for legal description of proposed power line.

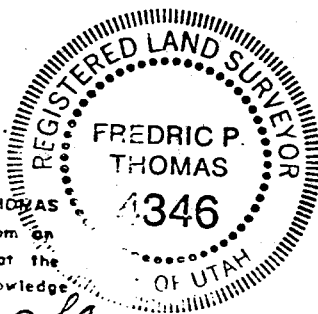


Scale: 1" = 200'

KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas
FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

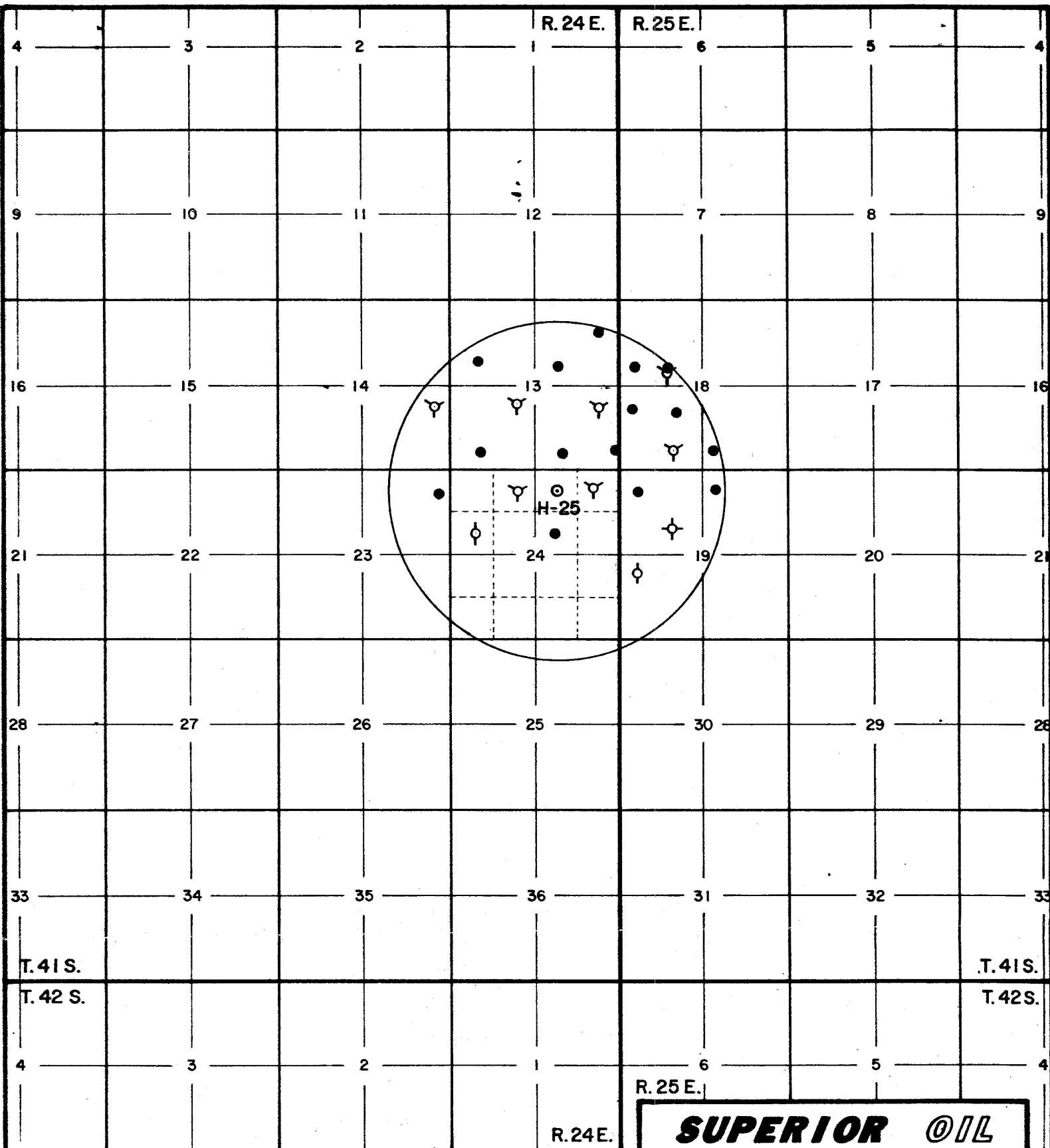
Bearing by
Solar
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496





SUPERIOR OIL

**EXISTING WELLS
SURROUNDING
PROPOSED WELL**

0 1/2 1 mile

By: JEG Date: 4/4/84

DENVER E & P DIVISION - WEST
MOBIL OIL CORPORATION
DRILLING ENGINEERING

AUGUST 16, 1985

DRILLING PERMIT
APPLICATION DATA

NAME: McELMO CREEK UNIT #H-25

LOCATION:

Surface: 860' from north line and 1640' from east line of
Section 24, T41S, R25E, San Juan County, Utah.

Bottom Hole: 550' from north line and 2225' from east line of
Section 24, T41S, R24E, San Juan County, Utah.

ELEVATION: Approximately 4589

<u>Formation Tops</u>	<u>True Vertical Depth From K. B.</u>
Chinle	1196'
DeChelly	2396'
Organ Rock	2626'
Hermosa	4381'
Ismay	5197'
Lower Ismay	5312'
Gothic Shale	5352'
Desert Creek (Primary objective)	5366'
Chimney Rock Shale	5514'
TD	5560'

DRILLING PROCEDURE:

1. Prepare location. Use rathole digger to drill a 17-1/2" conductor hole to 80'. Run two joints of 13-3/8" to bottom and cement to surface.
2. Move in and rig up drilling rig.
3. Drill a 12-1/4" hole to 1250' using lightly treated fresh water.
4. Run 9-5/8" casing to bottom and cement to surface. Nipple up BOPE. Test BOPE and casing to 2000 psi prior to drilling out.
5. Drill out cement and float equipment and drill an 8-3/4" hole to TD. Begin mudding up to a LSND system at about 1500'.
6. Run recommended logs, condition hole and run 7" casing to TD.
7. Release rig and prepare well for completion.

CASING AND CEMENT:

Conductor: Cement to surface with 150 sacks.

Surface: Cement to surface with 550 sacks.

Production: Cement in two stages.

First stage: Cement from TD to 4200' with 200 sacks.

Second stage: Open stage tool at about 2950' and cement to 2250' with 100 sacks.

MUD PROGRAM:

<u>INTERVAL</u>	<u>TYPE OF SYSTEM</u>	<u>WEIGHT</u>
0'-1500'	Fresh Water	8.8-9.2
1500'-TD	LSWD	9.5-11.0

LOGGING PROGRAM

Surface hole:	None
Production hole:	DIL/SFL/GR/SP CNL/FDC/GR w/Caliper Sonic-GR-Caliper

WELL CONTROL EQUIPMENT:

12-1/4" Surface Hole (80' - 1250')

One 13-3/8" casing head w/two 3" valves welded on for a diverter system.

8-3/4" Production Hole (1250'- TD)

One 11" x 3000 psi double ram BOP.

One 11" x 3000 psi drilling spool (w/flanged kill line and choke line outlets)

CHOKE MANIFOLD:

One 2-1/16" x 3000 psi dual wing manifold. Each wing with two manual valves and one choke. One positive choke and one adjustable choke.

HIGH PRESSURE OR H₂S GAS:

High pressure gas or gas containing detectable H₂S are not anticipated while drilling this well.

Mobil Oil Corporation

P.O. DRAWER G
CORTEZ, COLORADO 81321

August 16, 1985

Mr. Mat N. Millenbach
Area Manager
U. S. Department of Interior
Bureau of Land Management
Caller Service 4104
Farmington, New Mexico 87499

Re: Surface Use Development Plan
Proposed Well
McElmo Creek Unit #H-25
860' FNL, 1640' FEL
NWNE Section 24, T41S, R24E
San Juan County, Utah
Navajo Lease #14-20-603-370

Gentlemen:

We submit this Surface Use Development Plan with the APD, Form 3160-3, for the above referenced well and the plan is as follows:

1. To reach the location start in Montezuma Creek, Utah, and go .7 mile south and across the San Juan River on paved County Road 409 to the junction of County Road 409 and County Road 406; then go east 1.2 miles on County Road 406 to the junction of County Road 406 and County Road 457; then turn left and go 5.15 miles to a junction and then turn right (south) and go .3 mile to the access road to the location.
2. An access road of approximately 300' will be constructed from the existing McElmo Creek Unit road.
3. Attached is Plat #3 showing existing wells in the area as our information shows it.
4. Superior/Mobil has production facilities, Area 6 Battery, within 5000' of the well location and pipelines will be constructed to the well. 195' of electrical powerline will be constructed from the existing powerline to the west of the well.
5. Location and type of water supply will be from Superior/Mobil's McElmo Creek Unit fresh water supply wells near the San Juan River (SW-1/2, Section 17, T41S, R25E, SLM). Water will be trucked to the location over existing road and access road to be built.

6. Some construction material necessary to build the drilling pad will be obtained from the location and access road. The location is in a sandy area and capping of the pad will be necessary. Capping of the access and/or existing road will be necessary for the drilling of this well. The needed capping material to maintain access road or top off drilling pad will be obtained locally or transported from a privately owned pit .25 mile west of Montezuma Creek. No diversion of drainage will be necessary for this location.
7. Methods of handling waste disposals are as follows:
 - A. A trash or burn pit, an earthen pit 6 to 8 feet deep with steep sides and mesh wire fencing, will be constructed in the southeast corner of the reserve mud pits. (See Plat #6)
 - B. The reserve mud pits will be located on west side of the location for the drilling mud, cuttings, and fluids. The reserve pit will be fenced on three sides away from the pad while drilling and the fourth side will be fenced as soon as the drilling rig moves out. When drilling operations are complete, the reserve pit will be allowed to dry naturally and then be backfilled, leveled and contoured to the original landscape as much as possible. (See Plats #6, 7 and 8.)
 - C. Chemical toilets, meeting OSHA approval, will be provided and maintained during drilling operations.
8. The support facilities consisting of two small mobile homes for use by supervisory personnel of Superior/Mobil and the drilling contractor will be parked on the east edge of location as shown on the attached Plat #4 during drilling operations. No additional or other ancillary facilities are anticipated at this time.
9. A plat of the proposed drill pad and its location relative to topographic features is attached (see Plat #2). Diagrams showing cross section cuts and fills, site organization, and drilling rig orientation are contained in Plat #4 and #6.
10. Upon completion of the drilling operations and if the well is deemed dry, then the location and the access road will be cleaned and restored to the original topographical contours as much as possible and reseeded in accordance with the requirements and stipulations of the Bureau of Indian Affairs. The material used to cap the drilling pad and access road will be removed prior to restoration.
11. The land at the location and all the land crossed by the access road to be constructed is Navajo Tribal Lands and managed by the Bureau of Indian Affairs, Shiprock Agency, Shiprock, New Mexico.
12. Any additional questions, requests and/or anticipated developments will be channeled through the appropriate individuals of the BLM and BIA. Superior/Mobil Oil has not selected a drilling contractor at this time. All dirt contractors bidding for the location construction were in

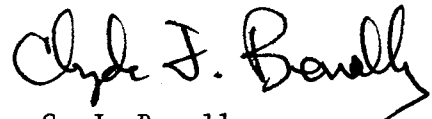
attendance during the pre-drill site inspection.

13. As for the contacts with Superior/Mobil Oil, the following are company and contract representatives:

Permitting--C. J. Benally
Construction--C. D. Likes
Drilling--J. E. Gagneaux
Mailing Address--P. O. Drawer G
Cortez, Co. 81321
Telephone--303-565-3733 (24 hrs.)
Dirt Contractor--Not yet determined
Drilling Contractor--Not yet determined

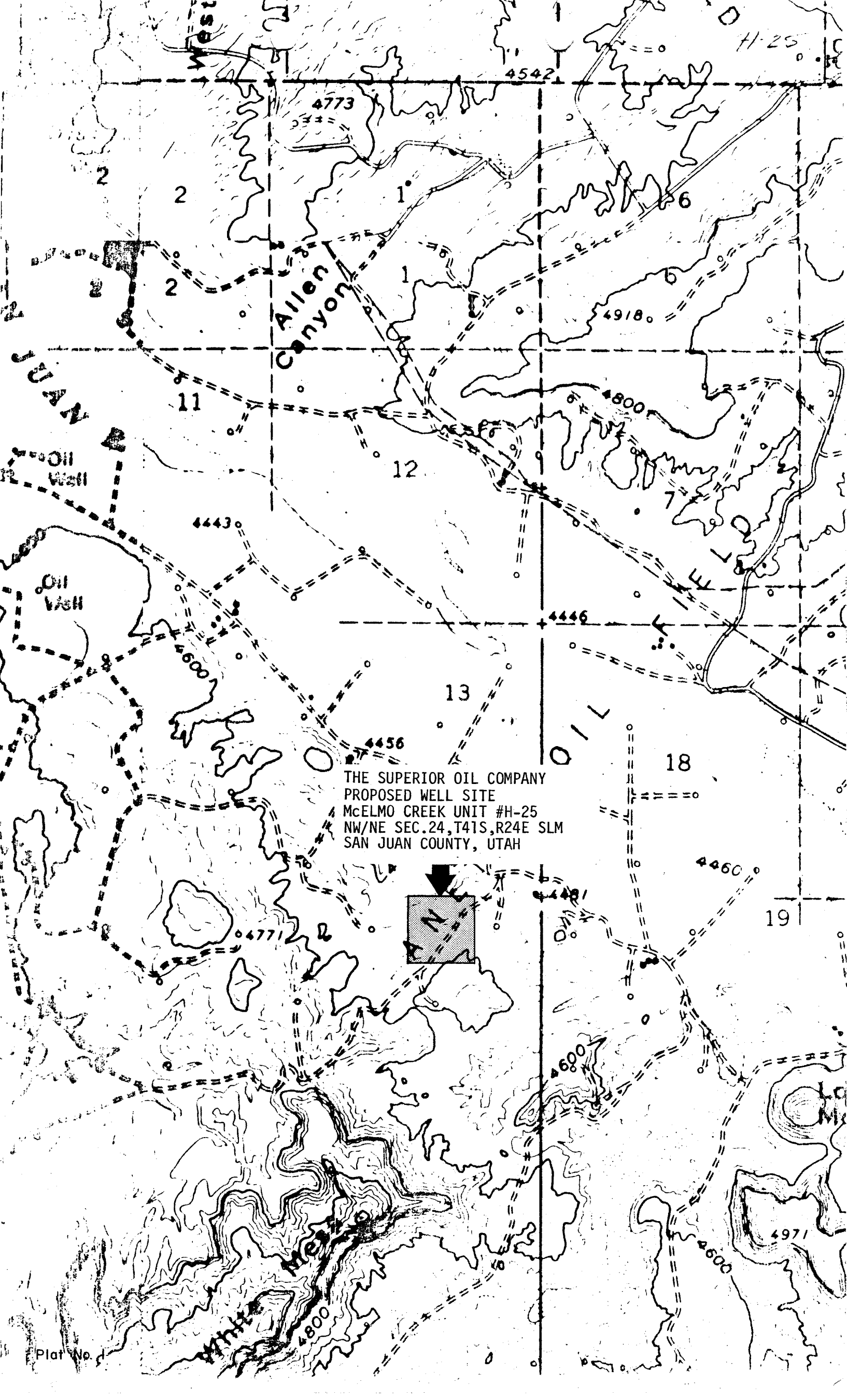
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Super/Mobil Oil and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provision of 18 U. S. C. 1001 for the filing of a false statement.

MOBIL OIL CORPORATION,
as agent for
THE SUPERIOR OIL COMPANY



C. J. Benally
Sr. Regulatory Coordinator

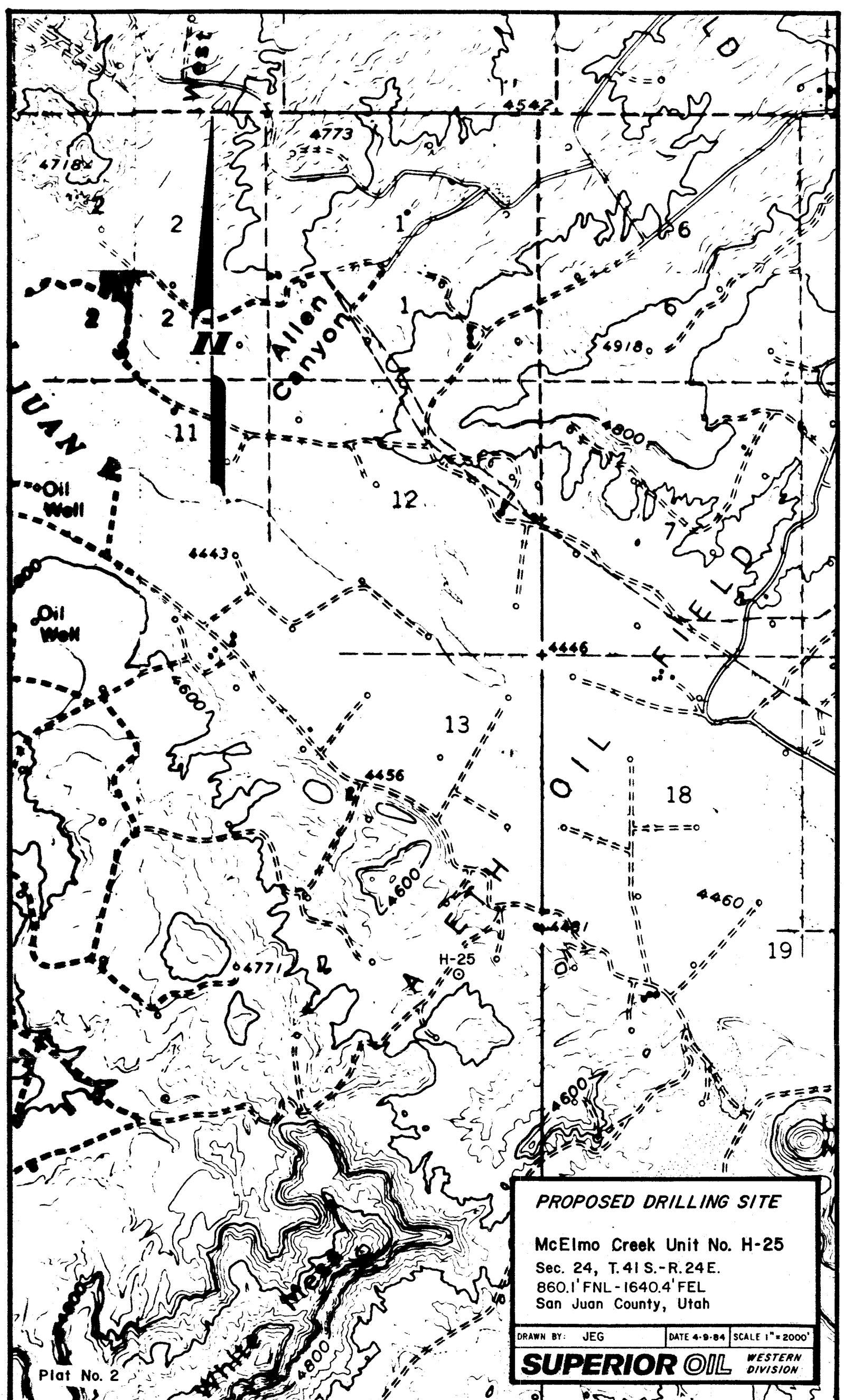
CJB:dw



Allen Canyon

THE SUPERIOR OIL COMPANY
PROPOSED WELL SITE
McELMO CREEK UNIT #H-25
NW/NE SEC. 24, T41S, R24E SLM
SAN JUAN COUNTY, UTAH



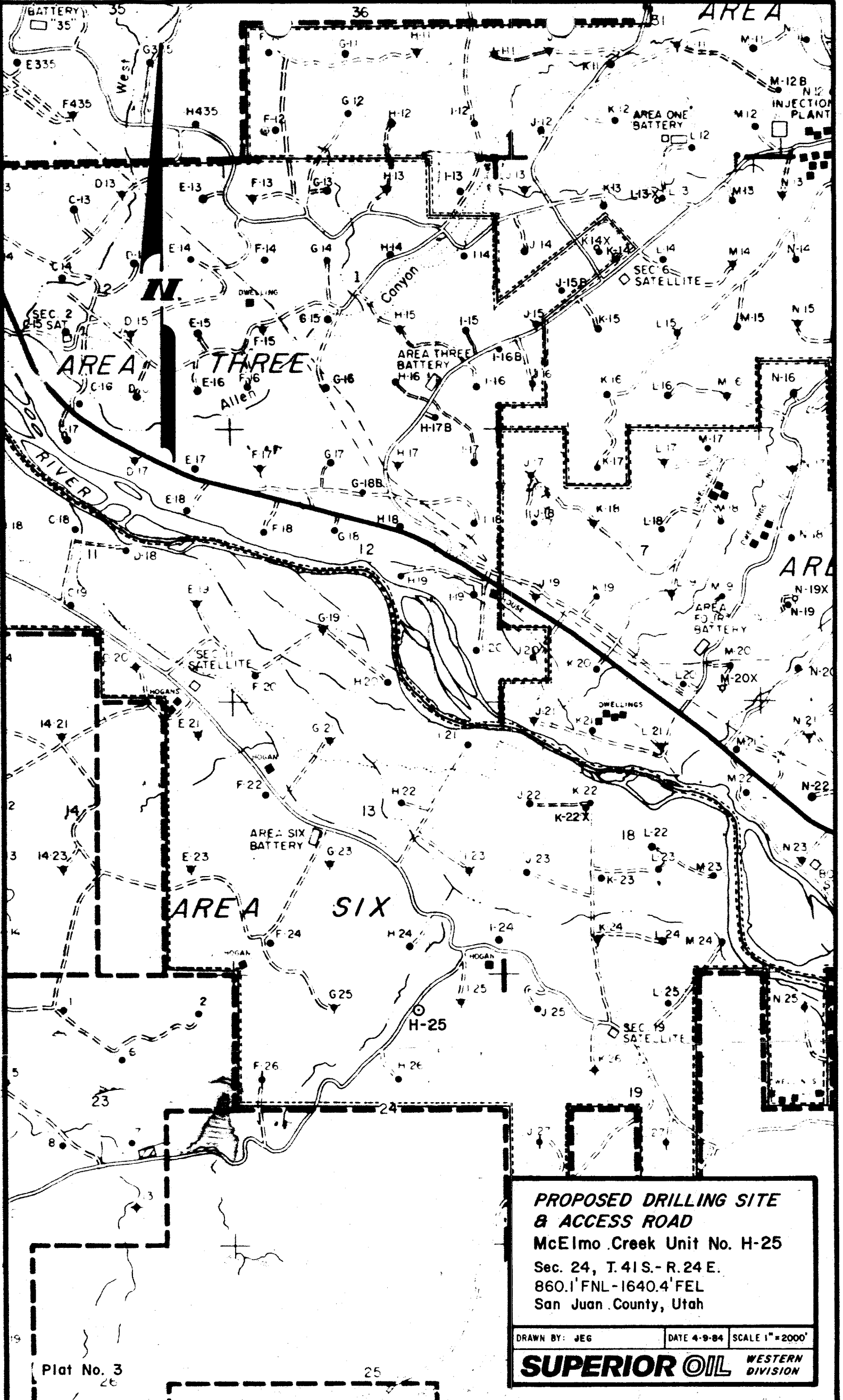


PROPOSED DRILLING SITE

McElmo Creek Unit No. H-25
Sec. 24, T.41 S.-R.24 E.
860.1' FNL-1640.4' FEL
San Juan County, Utah

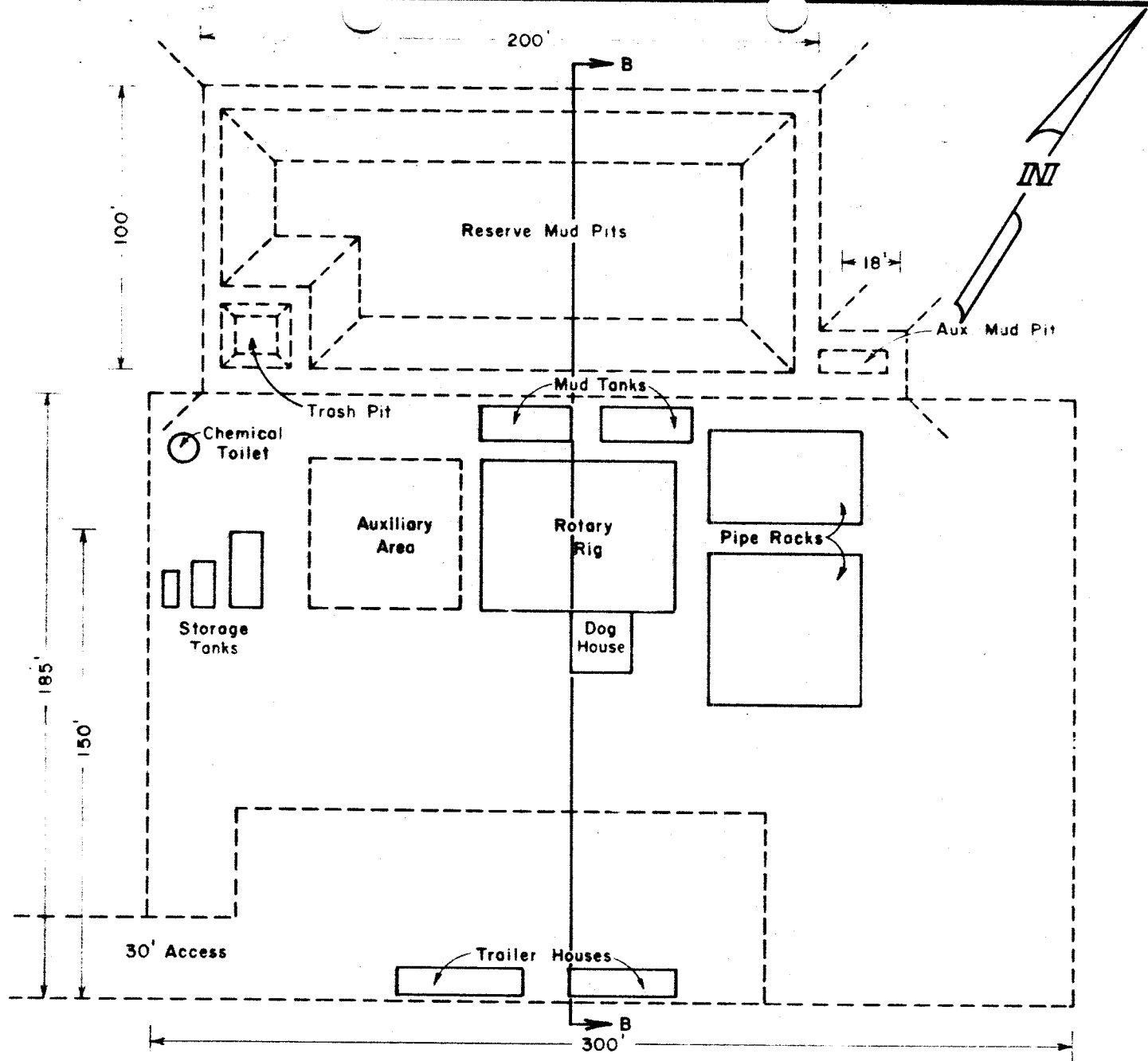
DRAWN BY: JEG DATE 4-9-84 SCALE 1" = 2000'

SUPERIOR OIL WESTERN DIVISION



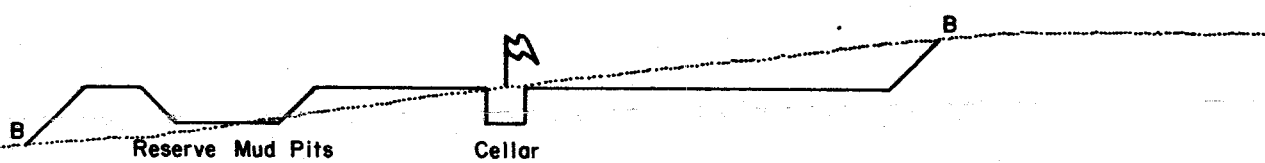
**PROPOSED DRILLING SITE
& ACCESS ROAD**
McElmo Creek Unit No. H-25
Sec. 24, T.41S.-R.24E.
860.1'FNL-1640.4'FEL
San Juan County, Utah

DRAWN BY: JEG DATE 4-9-84 SCALE 1" = 2000'
SUPERIOR OIL WESTERN DIVISION

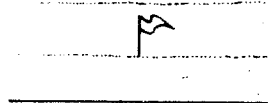


The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE
M.C.U. H-25
Original Elev. 4593.5'



Original Contour
Reference Point
Graded Proposal

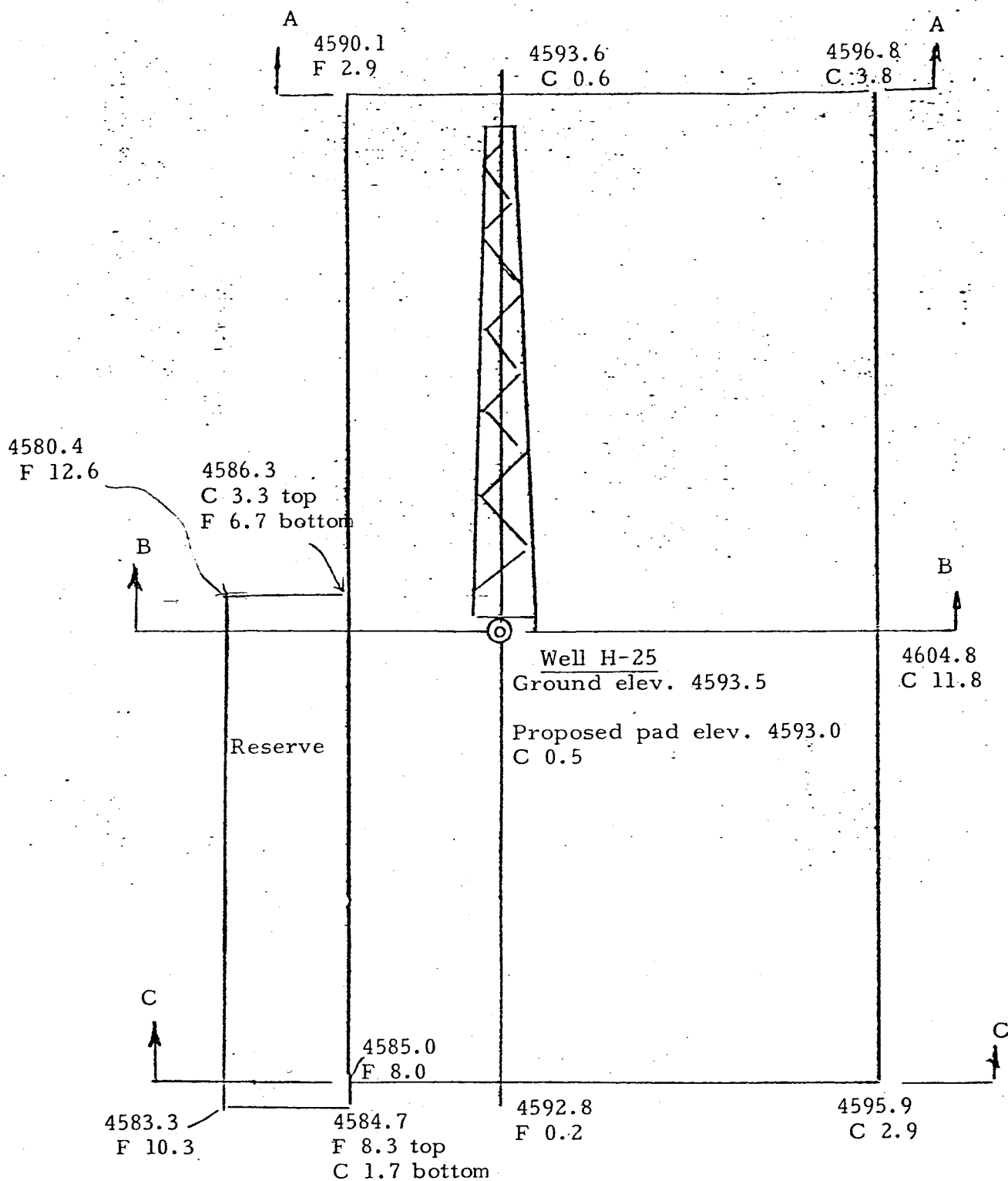


THE SUPERIOR OIL CO.
CORTEZ, CASPER DISTRICT
ENGINEERING DEPARTMENT

**RIG LAYOUT & DRILL
PAD CROSS SECTION**

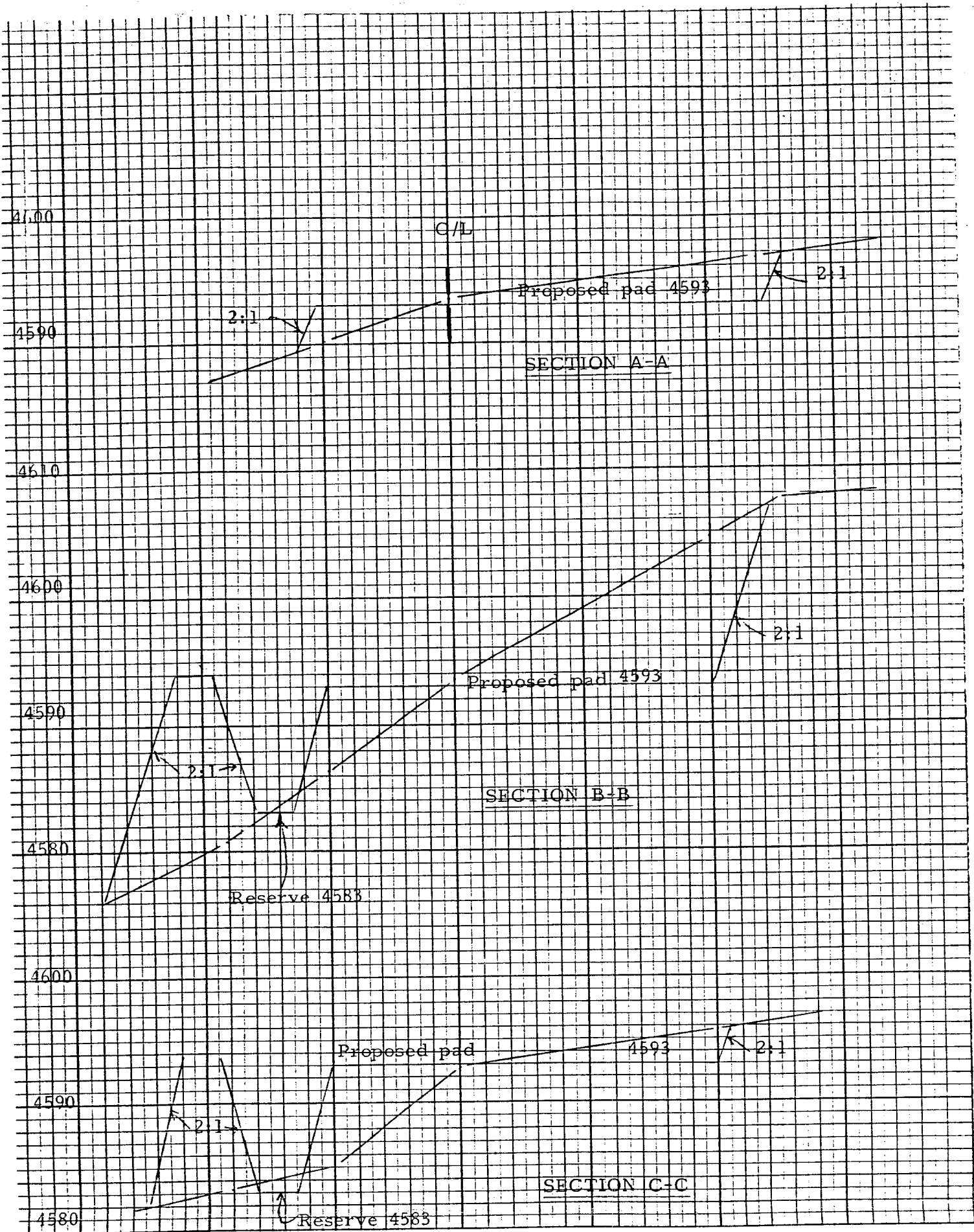
McELMO CREEK UNIT No. H-25
Sec. 24, T.41S.-R.24E.
San Juan County, Utah

BY JEG DATE 8-16-85
SCALE 1" = 80' REVISED



Scale: 1" = 50'

THOMAS Engineering Inc.25 N. Linden
Cortez, Colorado
565-4496



Horizontal scale: 1" = 50'
Vertical scale: 1" = 10'

THOMAS Engineering Inc.
215 N. Linden
Cortez, Colorado
565-4496

Legal Description, Proposed Power Line

An easement for purposes of a power line in the NE $\frac{1}{4}$ of Section 24, T.41S., R.24E., S.L.M., San Juan County, Utah, the centerline being more particularly described as follows:

Beginning at a point in the NE $\frac{1}{4}$ of Section 24, T.41S., R.24E., S.L.M., San Juan County, Utah, from which point the NE Corner of said Section 24 bears N.68°02'23"E. a distance of 1960.10 ft.;

thence, S.72°49'06" E. a distance of 195.19 ft., from which point the NE Corner of said Section 24 bears N.64°08'35"E. a distance of 1812.91 ft.

KNOW ALL MEN BY THESE PRESENTS:

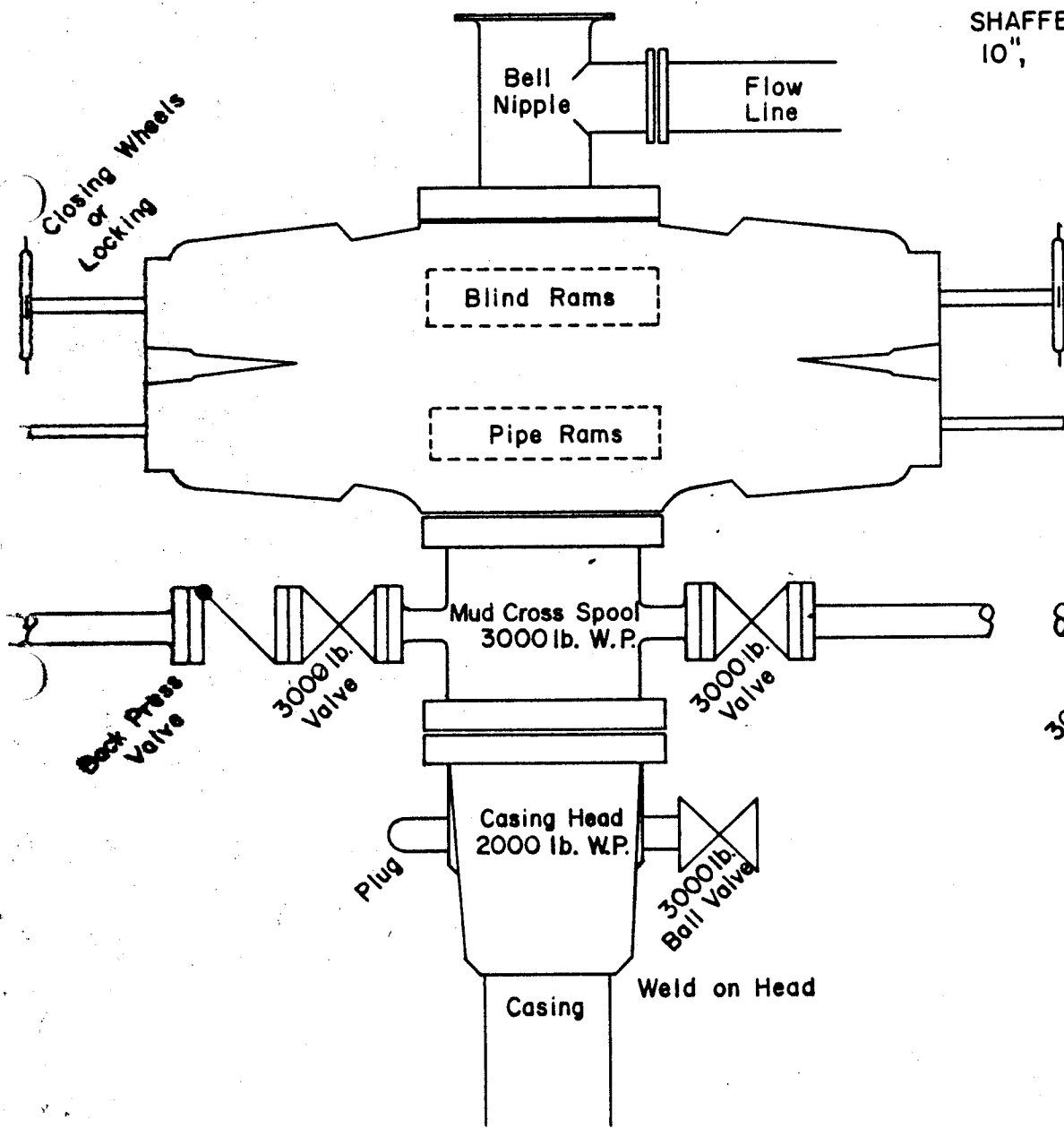
THAT I, FREDRIC P. THOMAS

do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the same is true and correct to the best of my knowledge and belief.

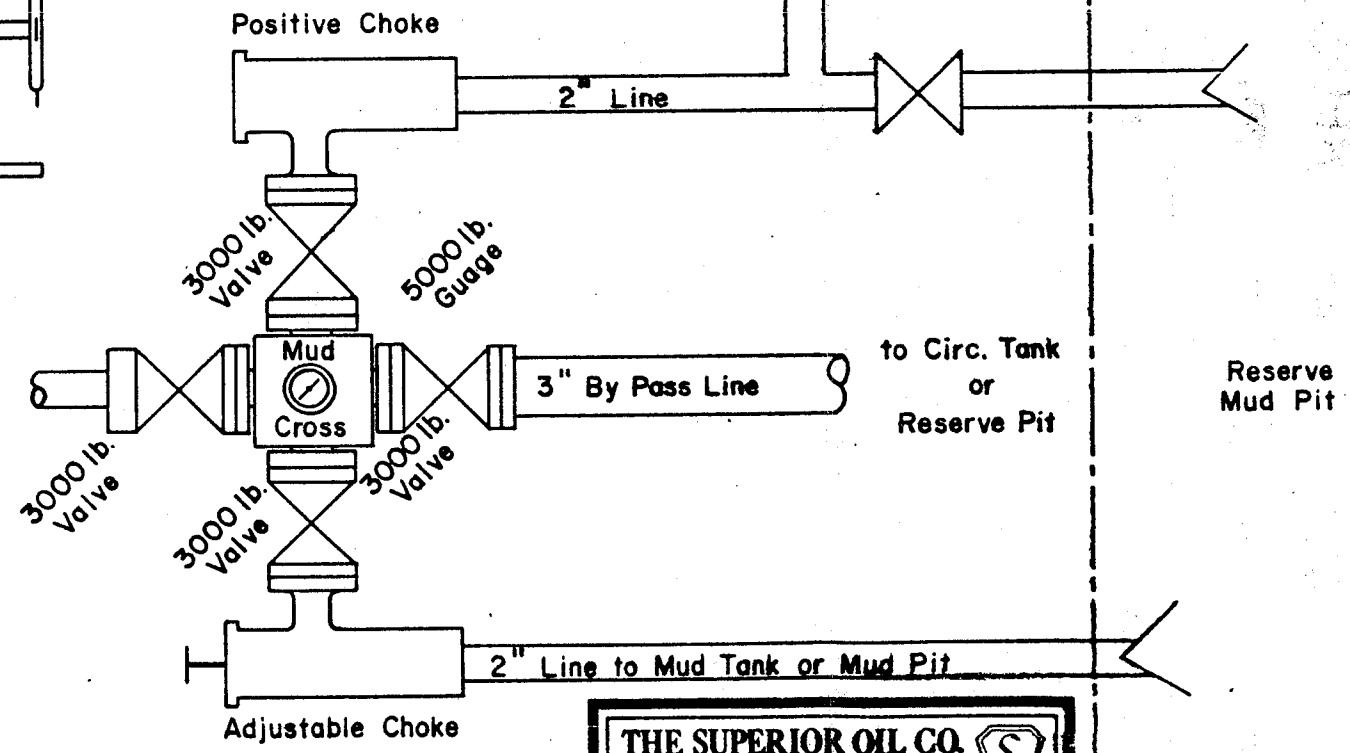
THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728



SHAFFER DOUBLE GATE BLOW OUT PREVENTER
10", 3000 lb. W.P., 6000 lb. Test, Type E



THE SUPERIOR OIL CO.

CORTEZ - CASPER DISTRICT
ENGINEERING DEPARTMENT

**SCHEMATIC DIAGRAM
OF PRESSURE CONTROL
EQUIPMENT**

BY JES DATE 6/25/79
SCALE NONE REVISED

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31010

NAME OF COMPANY: SUPERIOR OIL COMPANY

WELL NAME: MC ELMO CREEK UNIT H-25

SECTION NW NE 24 TOWNSHIP 41S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Brinkerhoff Signal

RIG # 79

SPODDED: DATE 11-21-85

TIME 2:00 PM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Gary West

TELEPHONE # 303-565-3733

DATE 11-21-85 SIGNED Bill Moore

BLM

Bureau of Indian Affairs

Transmittal of Application for Permit to Drill

Date 8-21-85
Operator Superior Oil Co
Well No. & Name H-25. Mc Elmo
Coke unit
Date APD Received 8-21-85

Lease Number 14-20-603-370
Sec. 24 T. 41S R. 24E
Footage 860 F() H L & 1640 F() L
San Juan County, Utah New Mexico

If the proposed action meets with your approval, please acknowledge in the space below and return one copy to this office. List any additional stips you would like included. We will approve the application upon receipt of these requirements.

BUREAU OF LAND MANAGEMENT Alan D. Hiner

.....
Surface Owner ☒ Tribal ☐ Allotted ☐ Other _____

I concur with the approval of the Application for Permit to Drill and/or the Surface Development and Operation Plan provided the following conditions are included in the approval.

Date September 25, 1985

Jerry W. Thomas
BIA Representative

RECEIVED
AUG 23 1985

Branch of
LAND OPERATIONS

BIA - SHIPROCK

RECEIVED
SEP 26 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

3101
November 1985
Formerly 9-330

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THIS MANNER
(Other instructions on reverse side)

Form Approved
BUREAU No. 1004-0735
August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY, through its Agent, MOBIL OIL CORP.

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

Surface: 860' FNL 1640 FEL NWNE
Prod Zone: 550' FNL 2225 FEL NWNE

16. PERMIT NO.

43-037-31010

15. ELEVATIONS (Show whether SP, RT, CR, etc.)

4589.3 Ungraded

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-370

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

MCELMO CREEK

8. FARM OR LEASE NAME

MCELMO CREEK UNIT

9. WELL NO.

H-25

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

24-41S 24E SLM

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

Build Cathodic Protection system

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Once completed, to maximize effective corrosion control of metallic piping and structures down hole and above ground, Mobil Oil Corporation, Agent for Superior Oil Company, proposes to construct an electrified cathodic protection system consisting of a subsurface graphite anode bed connected to an above ground rectifier which has a lead connected to the well casing.

The construction will consist of a trench, 140' long, 6' deep and 2' wide in the old reserve pi area of the well location. All construction will be confined to existing disturbed area of well location. Existing electrical power to the well will be used for this cathodic protection system.

The construction area has previously been cleared archaeologically by DCA per BIA DCA. 84-210-dated 9-13-85.

RECEIVED

JAN 24 1986

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Cheryl J. Benally
C. J. Benally

TITLE Sr. Regulatory Engineer

DATE 1/9/86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Mobil Oil Corporation

RECEIVED

P.O. BOX 5444
DENVER, COLORADO 80217-5444

JAN 31 1986

**DIVISION OF OIL
GAS & MINING**

January 29, 1986

U. S. Department of Interior
Bureau of Land Management
Caller Service 4104
Farmington, NM 87499

DIRECTIONAL SURVEYS
McELMO CREEK UNIT
H-25
NWNE SECTION 24-T41S-R24E
SAN JUAN COUNTY, UTAH
NAVAJO 14-20-603-370
API 43-037-31010

Gentlemen:

Please find enclosed three directional surveys for the above listed well.

Yours very truly,

for *R. D. Baker* *for RDB*
R. D. Baker
Environmental/Regulatory Manager
Denver West Division

CNE/sea

Enclosures

cc: State of Utah, Board of Oil, Gas and Mining (2 copies)
Navajo Tribe, Windowrock, AZ

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. NAME OF OPERATOR
Mobil Oil Corp as Agent for Superior Oil
3. ADDRESS OF OPERATOR
P.O. Drawer G, Cortez Co 81321
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
860' FNL, 1640' FEL

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-264

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

McElmo Creek

8. FARM OR LEASE NAME

-

9. WELL NO.

H-25

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 24, T41S, R24E, S14M

14. PERMIT NO.

1303731010 Del

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4610' DF

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

First Saleable Oil

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

*Mobil Oil Corp as Agent for Superior Oil first produced
saleable oil from the subject well on Feb 13 1986.*

RECEIVED

FEB 24 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

S Staff Op Engr.

DATE

2.20.86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

MOBIL OIL COMPANY
McELMO CREEK H-25
SAN JUAN COUNTY, UTAH

CUSTOMER : MOBIL OIL COMPANY

WELL # : McELMO CREEK H-25

LOCATION : SAN JUAN CO. UTAH

DATE : 11-26-1985

JOB TYPE : DIRECTIONAL

JOB # : D-2266

SURVEYOR : BOB BURK

DEPTHS : 1310' - 5669'

DECL. : 13 DEGREES EAST

ELEV. : 10'

FILE # : RM-E14S

METHOD : RADIUS OF CURVATURE

SECTION : N62.08W

FINAL STATION DATA:

* THIS SURVEY IS CORRECT TO THE *
* BEST OF MY KNOWLEDGE AND IS *
* SUPPORTED BY ACTUAL FIELD DATA. *
* *
* ----- *
* DIG REPRESENTATIVE *
* ***** *

MEASURED INCL. HOLE COURSE VERTICAL VERTICAL RECTANGULAR CLOSURE DOG-LEG
DEPTH ANGLE DIRECTION LENGTH DEPTH SECTION COORDINATES DISTANCE DIRECTION SEVERITY
FEET DEGS. DEGS. FEET FEET FEET N/S feet E/W FEET DEGS. DG/100FT

5669.00 12.00 N 64.00 W 11.00 5595.27 652.38 323.38 N 566.96 W 652.70' N 60.30 W 0.00

MOBIL OIL COMPANY
McELMO CREEK II-25
RM-0149

PAGE 1
03:38:51
00/00/00

MEASURED DEPTH FEET	INCL. ANGLE DEGS.	HOLE DIRECTION DEGS.	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES N/S feet E/W	CLOSURE DISTANCE FEET	DIRECTION DEGS.	DOG-LEG SEVERITY DG/100FT
1310.00	2.50	N 00.00 E	0.00	1310.00	0.00	0.00 N 0.00 E	0.00' N 00.00 E		0.00
1420.00	1.00	N 23.00 W	110.00	1419.95	2.12	3.27 N .67 W	3.34' N 11.50 W		1.48
1722.00	1.00	N 06.00 W	302.00	1721.90	5.66	8.35 N 1.98 W	8.59' N 13.33 W		.10
2008.00	.75	N 33.00 W	286.00	2007.87	8.85	12.43 N 3.42 W	12.90' N 15.40 W		.17
2308.00	.00	N 33.00 W	300.00	2307.86	10.56	14.08 N 4.49 W	14.78' N 17.70 W		.25
2610.00	.25	S 37.00 E	302.00	2609.86	10.37	14.33 N 4.14 W	14.91' N 16.13 W		.08
2630.00	1.00	N 55.00 W	20.00	2629.86	10.41	14.22 N 4.25 W	14.84' N 16.64 W		6.20
2670.00	2.75	N 55.00 W	40.00	2669.83	11.71	14.97 N 5.32 W	15.88' N 19.57 W		4.37
2750.00	6.00	N 45.00 W	80.00	2749.59	17.67	18.88 N 9.99 W	21.36' N 27.88 W		4.16
2817.00	7.00	N 46.00 W	67.00	2816.16	24.94	24.20 N 15.40 W	28.68' N 32.47 W		1.50
2910.00	8.75	N 46.00 W	93.00	2908.28	37.18	33.05 N 24.56 W	41.18' N 36.62 W		1.88
3002.00	10.25	N 47.00 W	92.00	2999.01	51.81	43.50 N 35.58 W	56.20' N 39.28 W		1.64
3097.00	12.00	N 47.00 W	95.00	3092.22	69.50	56.00 N 48.98 W	74.40' N 41.17 W		1.84
3108.00	13.25	N 47.00 W	91.00	3181.02	88.71	69.57 N 63.53 W	94.21' N 42.40 W		1.37
3290.00	12.00	N 67.00 W	102.00	3280.55	110.80	81.65 N 82.13 W	115.81' N 45.17 W		4.43
3384.00	11.50	N 67.00 W	94.00	3372.58	129.87	89.13 N 99.75 W	133.77' N 48.22 W		.53
3480.00	11.00	N 67.00 W	96.00	3466.74	148.53	96.45 N 116.99 W	151.62' N 50.50 W		.52
3570.00	11.50	N 67.00 W	90.00	3555.01	166.03	103.31 N 133.15 W	168.53' N 52.19 W		.56
3695.00	13.00	N 69.00 W	125.00	3677.16	192.41	113.24 N 157.74 W	194.18' N 54.33 W		1.25
3788.00	14.25	N 66.00 W	93.00	3767.54	214.21	121.62 N 177.98 W	215.57' N 55.65 W		1.54
3913.00	16.50	N 65.00 W	125.00	3888.06	247.29	135.37 N 208.14 W	248.28' N 56.96 W		1.81
3974.00	16.25	N 63.00 W	61.00	3946.58	264.48	142.90 N 223.59 W	265.36' N 57.42 W		1.01
4100.00	16.25	N 62.00 W	126.00	4067.55	299.74	159.18 N 254.87 W	300.49' N 58.01 W		.22
4225.00	17.50	N 56.00 W	125.00	4187.17	335.95	177.86 N 285.95 W	336.76' N 58.12 W		1.71
4255.00	17.00	N 57.00 W	30.00	4215.82	344.81	182.77 N 293.37 W	345.65' N 58.08 W		1.94

MOBIL OIL COMPANY
McELMO CREEK H-25
RM-E14S

PAGE 2
03:39:49
00/00/00

MEASURED DEPTH FEET	INCL. ANGLE DEGS.	HOLE DIRECTION DEGS.	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES N/S feet E/W	CLOSURE DISTANCE FEET	DIRECTION DEGS.	DOG-LEG SEVERITY DG/100FT
4319.00	15.50	N 58.00 W	64.00	4277.26	362.66	192.40 N 308.48 W	363.56'	N 58.05 W	2.38
4386.00	13.25	N 57.00 W	67.00	4342.16	379.24	201.33 N 322.50 W	380.19'	N 58.02 W	3.38
4481.00	12.50	N 55.00 W	95.00	4434.77	400.29	213.17 N 340.05 W	401.34'	N 57.92 W	.92
4574.00	12.00	N 59.00 W	93.00	4525.65	419.94	223.91 N 356.60 W	421.07'	N 57.87 W	1.06
4667.00	11.50	N 52.00 W	93.00	4616.70	438.74	234.63 N 372.20 W	439.98'	N 57.77 W	1.62
4730.00	12.00	N 50.00 W	63.00	4678.38	451.33	242.71 N 382.17 W	452.72'	N 57.58 W	1.02
4777.00	12.00	N 59.00 W	47.00	4724.35	461.00	248.38 N 390.11 W	462.47'	N 57.52 W	3.98
4790.00	12.00	N 62.00 W	13.00	4737.07	463.71	249.71 N 392.47 W	465.17'	N 57.53 W	4.80
4918.00	14.00	N 69.00 W	128.00	4861.78	492.43	261.64 N 418.65 W	493.68'	N 58.00 W	1.99
5073.00	13.50	N 67.00 W	155.00	5012.34	529.07	275.44 N 452.81 W	530.00'	N 58.69 W	.45
5260.00	12.50	N 67.00 W	187.00	5194.54	570.98	291.88 N 491.53 W	571.66'	N 59.30 W	.53
5408.00	10.75	N 67.00 W	148.00	5339.50	600.69	303.53 N 518.98 W	601.22'	N 59.68 W	1.18
5525.00	11.50	N 70.00 W	117.00	5454.30	623.13	311.80 N 539.98 W	623.54'	N 60.00 W	.81
5658.00	12.00	N 64.00 W	133.00	5584.52	650.10	322.38 N 564.90 W	650.42'	N 60.29 W	.99
5669.00	12.00	N 64.00 W	11.00	5595.27	652.38	323.38 N 566.96 W	652.70'	N 60.30 W	0.00

SURVEY STATION # 5669 IS NOT AN ACTUAL SURVEY BUT A PROJECTION FROM 5658

CLOSURE DISTANCE = 652.70 FEET.
CLOSURE DIRECTION = N 60.30 W

MOBIL OIL COMPANY

WELL # :
MOELMO CREEK H-25

LOCATION :
SAN JUAN CO. UTAH

DATE :
11-28-1985

JOB TYPE :
DIRECTIONAL

JOB # :
D-2288

SURVEYOR :
BOB BURK

DEPTHS :
1910' - 5669'

DECL. :
19 DEGREES EAST

ELEV. :
0'

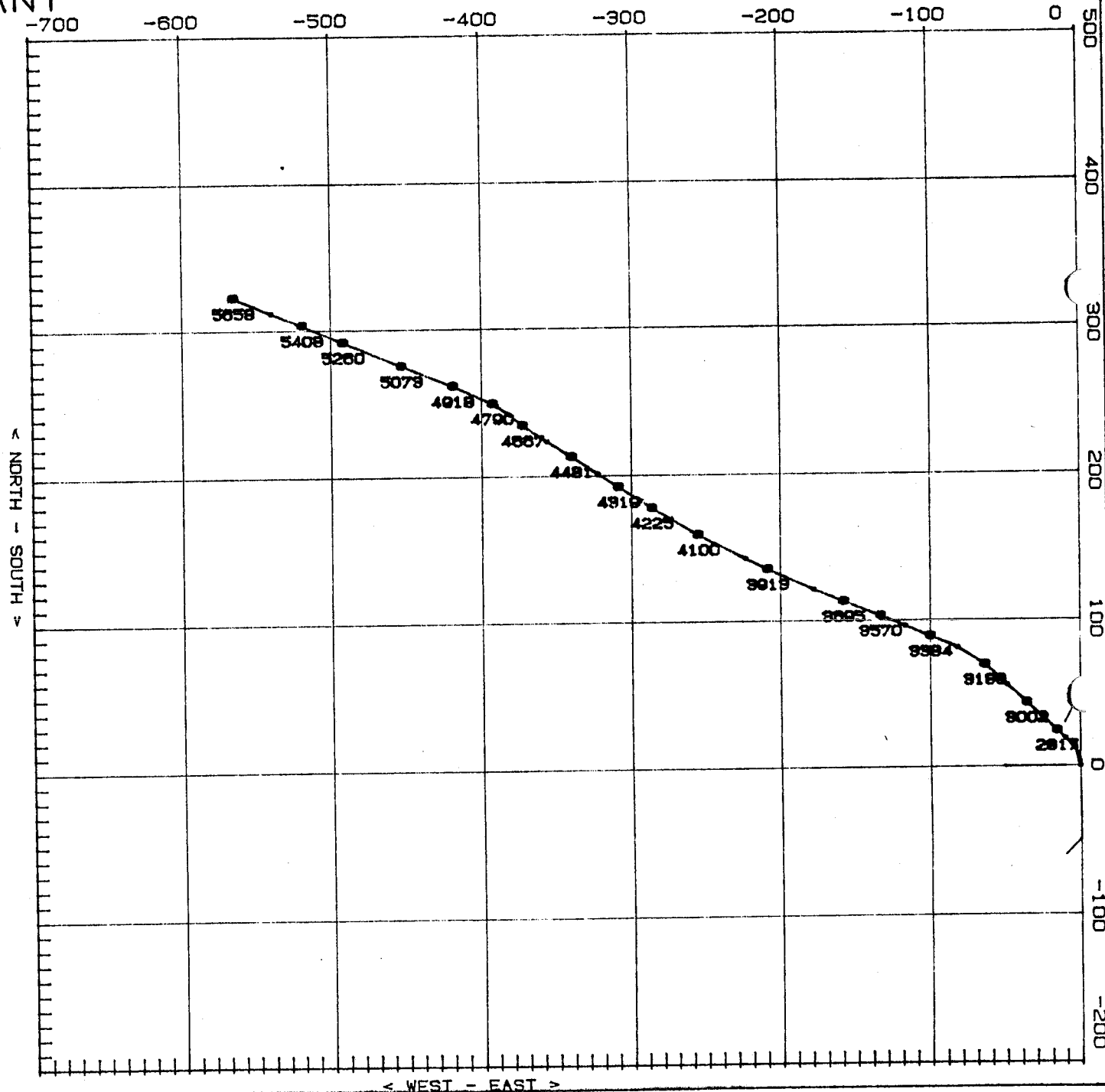
FILE # :
RM-E149

FINAL STATION DATA:

MD. 5669.00
TVD. 5595.27
N/S 323.38
E/W -566.96

CLOSURE DISTANCE
852.70 FEET
CLOSURE DIRECTION
N 60.30 W

1 IN. = 100 FT.



MOBIL OIL COMPANY
MCELMO CREEK II-25
SAN JUAN COUNTY, UTAH

SCALE 1" = 1000'

⊙ SURFACE LOCATION

1000

1310

2000

2007

2609

3000

3092

3555

4000

4067

4525

5000

5012

5595

652.70 FT. @ N60.30W

5595

0

125

250

375

500

625

SCALE 1" = 125'

46 0703

10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

KE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIF
(Other instruction
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Mobil Oil Corporation/Agent for Superior Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 5444

Denver, Colorado 8021

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface Sec. 24-41S-24E

860' FNL + 1640' FEL

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO.
43-037-31010

15. ELEVATIONS (Show whether DF, WT, GR, etc.)
G.L. 4589; K.B. 4603

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-370

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek

8. FARM OR LEASE NAME

McElmo Creek

9. WELL NO.

H-25

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 24-41S-24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well Spudded

11-19-85 set 13-5/8" to 120'
Cement to surface

11-22-85 set 9-5/8" to 1310 with 350 sx (644 cf) Howco lite plus 200 sx (233cf) Class B.

12-23-85 set 7" to 5665 with 310 sx (362cf) Class B plus

215 sx (252 cf) Class B
Stage 1 cement from TD to 4165
Stage 2 2713 to 2213

MOBIL OIL CORPORATION
RECEIVED

File temperature survey or cement bond log
by 4/27/86

MAR 31 1986
Denver E & P Division
Oil & Gas Acctg. Dept.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

T. Paul Acely, Supv.

ACCEPTED FOR RECORD
DATE 3/27/86

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

OPERATOR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

2. NAME OF OPERATOR

Mobil Oil Corporation/Agent for Superior Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 5444 Denver, Colorado 80217

4. LOCATION OF WELL (Report location, depth, and in accordance with any State requirements)*

At surface 860' FNL

At top prod. interval reported below

At total depth

DIVISION OF
OIL, GAS & MINING

43-037-31010

RECEIVED

MAR 20 1986

NWNE

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-370

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek

8. FARM OR LEASE NAME

McElmo Creek

9. WELL NO.

H-25

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 24-41S-24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 11-21-85 16. DATE T.D. REACHED 12-21-85 17. DATE COMPL. (Ready to prod.) 2-15-86 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)* GL 4589; KB 4603 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5669 21. PLUG, BACK T.D., MD & TVD 5618 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY X 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Desert Creek 5466-5560

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-SFL; DDC-CNL-GR-CALP; EPT Microlog

LG CBL CEL

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5# K-55	120	17-1/2	Cement to Surface	
9-5/8	36# K-55	1310	12-1/4	350ft ³ B & 644ft ³ Howcolite	+ 10% Gilsonite
7	23# K-55	5665	8-3/4	620ft ³ B + .5% HALAD 322-A	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"		5594

31. PERFORATION RECORD (Interval, size and number)
5466-5480 (Desert Creek 1-A) - 29 holes
5520-5530 (Desert Creek 1-B) - 41 holes
5544-5560 (Desert Creek (W&II)) - 65 holes

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5466-5480	2000 gal. 28% HCl acid
5520-5530	700 gal. 28% Hcl acid
5544-5560	800 gal. 28% HCl acid

PRODUCTION						WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				Producing	
2-13-86		Pumping					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-2-86	24			100		122	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	MOBIL OIL CORPORATION		WATER—BBL.	OIL GRAVITY-API (CORR.)	
45	68	100	RECEIVED		122	39.0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

MAR 31 1986

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

Denver E & P Division

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

TITLE

Paul A. DeLoe Supr.

DATE 3.12.86

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

860421 cp

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Chinle	1314					
DeChelly	2406					
Oregon Rock	2650					
Hermosa	4436					
W. Ismay	5295					
L. Ismay	5400					
Gothic Shale	5445					
Desert Creek	5458					
Chimney Rock	5620					
TD	5669					

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	H-16	SAN JUAN	UT	SW	SE	01-41S-24E	PROD OP	43-037-30366	14-20-603-4039		96-004190
	H-17	SAN JUAN	UT	NW	NE	12-41S-24E	INJ OP	43-037-05605	14-20-603-4039		96-004190
	H-17B	SAN JUAN	UT	SE	SE	1-41S-24E	PROD OP	43-037-30415	14-20-603-4039		96-004193
	H-18	SAN JUAN	UT	SW	NE	12-41S-24E	PROD OP	43-037-30364	14-20-603-4495		96-004190
	H-19	SAN JUAN	UT	NW	SE	12-41S-24E	PROD OP	43-037-20304	14-20-603-4495		96-004190
	H-20	SAN JUAN	UT	SW	SE	12-41S-24E	PROD OP	43-037-15708	14-20-603-5451		96-004190
	H-21	SAN JUAN	UT	NW	NE	13-41S-24E	COMP	43-037-31192	14-20-603-370		96-004190
	H-22	SAN JUAN	UT	SW	NE	13-41S-24E	PROD OP	43-037-15950	99500-603-370		96-004190
	H-23	SAN JUAN	UT	NW	SE	13-41S-24E	COMP	43-037-31193	14-20-603-370		96-004190
	H-24	SAN JUAN	UT	SW	SE	24-41S-24E	PROD TA	43-037-15951	14-20-603-370		96-004190
	H-25	SAN JUAN	UT	NW	NE	24-41S-24E	COMP	43-037-31010	14-20-603-370		96-004190
	H-26	SAN JUAN	UT	SW	NE	24-41S-24E	PROD OP	43-037-15952	14-20-603-370		96-004190
	I-11	SAN JUAN	UT	NE	SE	36-40S-24E	PROD OP	43-037-30358	14-20-0603-6145		96-004190
	I-12	SAN JUAN	UT	SE	SE	36-40S-24E	PROD OP	43-037-15619	14-20-0603-6145		96-004190
	I-13	SAN JUAN	UT	NE	NE	01-41S-24E	PROD OP	43-037-30257	14-20-603-4032		96-004190
	I-14	SAN JUAN	UT	SE	NE	01-41S-24E	PROD OP	43-037-16145	14-20-603-4032		96-004190
	I-15	SAN JUAN	UT	NE	SE	1-41S-24E	PROD OP	43-037-30361	14-20-603-4039		96-004190
	I-16	SAN JUAN	UT	SE	SE	01-41S-24E	PROD OP	43-037-15497	14-20-603-4039		96-004190
	I-16B	SAN JUAN	UT	SW	SW	06-41S-25E	PROD OP	43-037-30417	14-20-603-372		96-004190
	I-17	SAN JUAN	UT	NE	NE	12-41S-24E	PROD OP	43-037-30367	14-20-603-4039		96-004190
	I-18	SAN JUAN	UT	SE	NE	12-41S-24E	PROD OP	43-037-15709	14-20-603-4495		96-004190
	I-19	SAN JUAN	UT	NE	SE	12-41S-24E	PROD OP	43-037-30365	14-20-603-4495		96-004190
	I-20	SAN JUAN	UT	SE	SE	12-41S-24E	INJ OP	43-037-05524	14-20-603-4495		96-004190
	I-21	SAN JUAN	UT	NE	NE	13-41S-24E	PROD OP	43-037-15953	14-20-603-370		96-004190
	I-22	SAN JUAN	UT	SE	NE	13-41S-24E	COMP	43-037-31187	14-20-603-370		96-004190
	I-23	SAN JUAN	UT	NE	SE	13-41S-24E	INJ OP	43-037-16352	14-20-603-370		96-004190
	I-24	SAN JUAN	UT	SE	SE	13-41S-24E	PROD OP	43-037-30180	14-20-603-370		96-004190
	I-25	SAN JUAN	UT	NE	NE	24-41S-24E	INJ OP	43-037-16353	14-20-603-370		96-004190
	J-11	SAN JUAN	UT	NW	SW	31-40S-25E	INJ OP	43-037-16354	14-20-603-372		96-004190
	J-12	SAN JUAN	UT	SW	SW	31-40S-25E	PROD OP	43-037-30342	14-20-603-372		96-004190

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCING U.S. INC.

3. Address and Telephone No.

P O BOX 633 MIDLAND, TX 79702

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

860' FNL, 1640' FEL SEC.24, T41S, R24E

5. Lease Designation and Serial No.
14-20-603-370

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

8. Well Name and No.
H-25

9. API Well No.
43-037-31010

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State

SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHMENTS

RECEIVED

SEP 22 1993

DIVISION OF
ACCEPTED BY THE STATE OIL, GAS & MINING
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE:

BY:

9/24/93

J. Matthews

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Todd

SHIRLEY TODD

Title ENV. & REG. TECHNICIAN

Date 9-16-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

McElmo Creek Unit H-25
Uneconomical Well

PLUG AND ABANDONMENT PROCEDURE

NOTE: Any revisions to the following procedure are subject to Mobil and BLM approval.

1. Notify Mark Kelley with the Bureau of Land Management at 505/599-8900 at least 48 hours prior to plugging the well. Document date/time BLM is notified and also document the date/time that BLM representative is on location.
2. MI workover rig. Load well with lease water. NU and PT BOP's. POH and lay down sucker rods. Transport sucker rods to Mobil's Aneth field pipe yard. POH with 2-7/8", 6.5 lb/ft J-55 EUE 8rd tubing standing back in derrick. RIH with 6-1/8" bit without nozzles and bulldog bailer on 2-7/8" workstring and drill out CIBP at 5430'. CD to 5565'. POH. RU wireline unit. RIH with cement retainer on wireline and set at 5195' EL. POH. RD wireline unit. RIH with star-guide stinger and 500' of 2-3/8" CS Hydril tailpipe on 2-7/8" workstring. Sting into cement retainer and pressure test backside to 200 psi and monitor. Establish an injection rate of 1-2 BPM using lease water. Mix and pump 5 bbls fresh water spacer, 162 cu ft of class B 15.6 ppg neat cement, 5 bbls of fresh water spacer. Displace cement to cement retainer using lease water. Do not exceed 2000 psi surface injection pressure. Pull out of cement retainer and reverse out hole to 9 ppg fresh water mud having a minimum viscosity of 50 sec/qt containing a minimum of 15 lbs/bbl of sodium bentonite and a nonfermenting polymer.
3. PU to 4536' and spot 43 cu ft of class B 15.6 ppg neat cement from 4536'-4336'. Pull out of cement plug at less than 30 ft/min. WOC.
4. Tag top of cement plug with workstring. Cement top must be above 4386'. Spot additional cement as necessary. POH laying down all but 1100' of 2-7/8" workstring.
5. RIH with Servco K-mill or equivalent for 7", 23 lb/ft casing and drill collars as necessary on 2-7/8" workstring. Cut casing at 1100' and mill 1 ft to confirm cut. POH laying down all but 600' of workstring. Spear and recover 7", 23 lb/ft casing. If 7" casing string was recovered Go To Step No. 7.

6. If 7" casing string is cut but cannot be recovered, pump into 7" casing to insure that it can be squeezed. RIH with cement retainer on 500' of 2-3/8" CS Hydril tubing and 2-7/8" workstring and set at 1050'. PT backside to 200 psi and monitor. Establish injection rate of 1-2 BPM using 9 ppg mud taking returns on 7" casing annulus. Mix and pump 389 cu ft of class B 15.6 ppg neat cement (includes 100 percent excess as required by BLM) and displace cement to cement retainer. Note: If get good uncontaminated cement returns, the pumping of cement can be discontinued. Pull out of cement retainer and reverse out with 9 ppg mud. POH and lay down drag block setting tool. RIH with 500' of 2-3/8" CS Hydril tailpipe on 2-7/8" workstring to top of cement retainer at 1050'. Fill hole with class B 15.6 ppg neat cement in 400' stages, laying down workstring while POH. Transport tubing to Mobil's Aneth field pipe yard. Calculated volume required to fill hole is 232 cu ft. Go To Step No. 8.
7. RIH with 500' of 2-3/8" CS Hydril tailpipe on 2-7/8" workstring to 1100'. Fill hole from 1100' to surface with class B 15.6 ppg neat cement in 400' stages, laying down workstring while POH. Transport tubing to Mobil's Aneth field pipe yard. Calculated volume required to fill hole is 478 cu ft.
8. If top of casing strings are above ground level, cut off casing strings at ground level. Top off all casing annuli with cement. Use 1" spaghetti string if necessary to spot cement. Weld on a 1/4" steel plate having a 1/4" weep hole. Steel plate should cover all casing strings and have the following information welded to the top of the plate:

Mobil E&P U.S., Inc.
McElmo Creek Unit #H-25
Navajo Tribal Lease
14-20-603-370
860' FNL, 1640' FEL
Sec. 24 - T41S - R24E
San Juan Co., Utah

9. RDMO workover rig. Haul off salvaged equipment and clean location. Notify Shirley Todd with Mobil at 918/688-2585 when work is completed so that a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5) can be filed with the Bureau of Land Management.

Mobil Operations Engineer: Sean S. Murphy
Office Phone: 303/565-2208
Home Phone: 303/564-9423

McElmo Creek Unit # H-25API # 43-037-31010

JOB OR AUTH. NO. _____

LOCATION 860' FNL, 1640' FEL Sec. 24-T41S-R24E

PAGE _____

SUBJECT Plug and AbandonDATE 8/Sept/93LEASE 14-20-603-370BY S. S. MurphyEXISTING

KB 4611'

GL 4598'

13- $\frac{3}{8}$ " 54.5# K-55 at
120' cnt'd to surface12- $\frac{1}{4}$ " Hole Size9- $\frac{5}{8}$ " 36# K-55 Csg at
1310' cnt'd w/300 sxs
TOC at 352' (Calc.)DV tool at 2713' cnt'd w/215 sxs
TOC at 1283' (Calc.)

Top of Chinle at 1340'

TOC at 3616' (Calc.)

180 jts 2- $\frac{7}{8}$ " 6.5# J-55 tbg.

Top of Hermosa at 4436'

59 1" Rods
153 $\frac{7}{8}$ " Rods

Top of Ismay at 5295'

CIBP at 5430'

PERFS

5466-5480', 5520-5530'

5544-5560, 4SPF

7", 23# K-55 Csg. at

Hole size: 8- $\frac{3}{4}$ "

PBD 5430'

TD 5669'

5665' w/310 sx cnt. +
215 sxs through DV tool at 2713'

McElmo Creek Unit # H-25

API # 43-037-31010

JOB OR AUTH. NO.

LOCATION 860' FNL, 1640' FEL Sec. 24-T41S-R24E

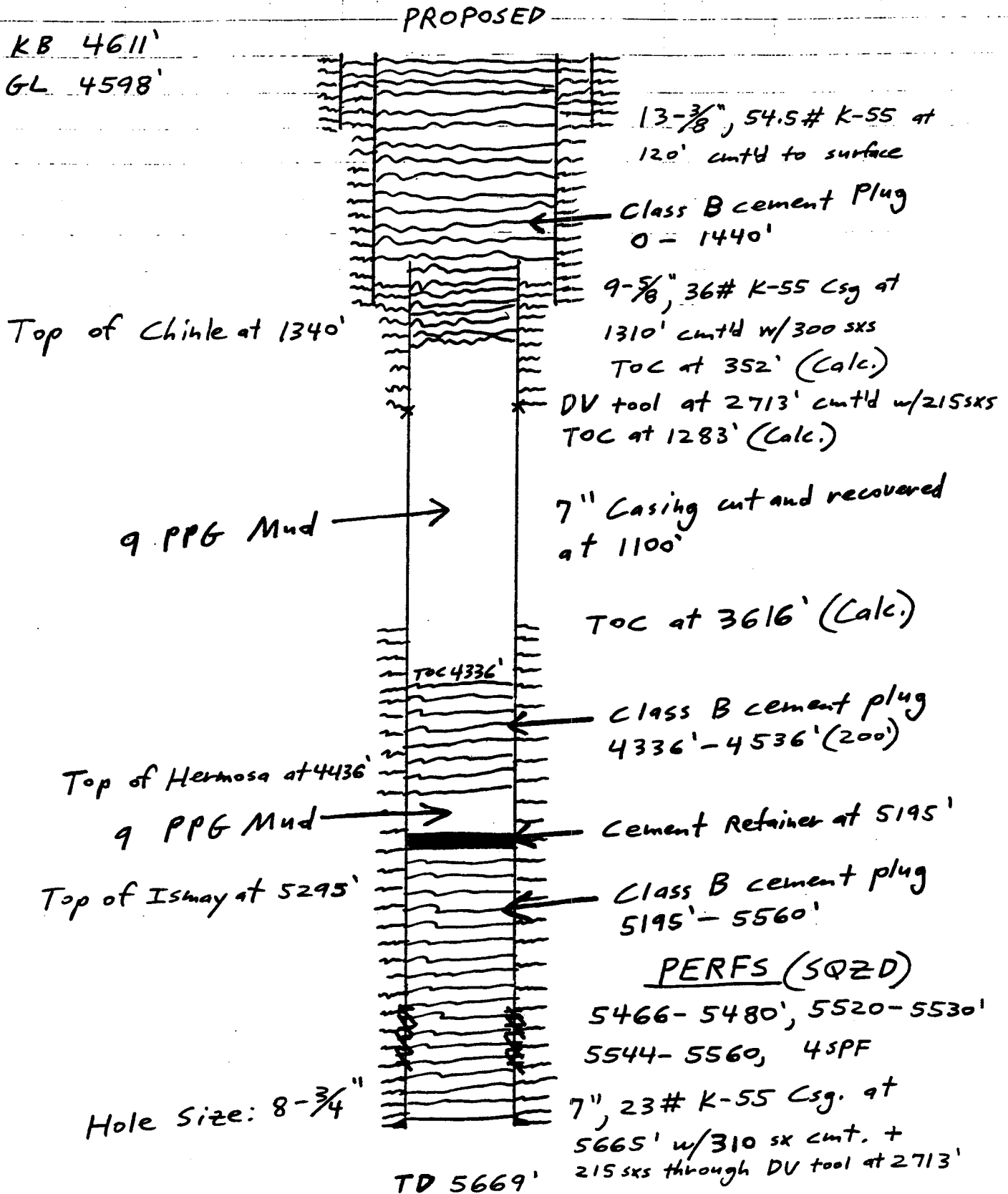
PAGE

SUBJECT Plug and Abandon

DATE 8/Sept/93

LEASE 14-20-603-370

BY S. S. Murphy



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 23 1993

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS DIVISION OF

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCNG U.S. INC.

3. Address and Telephone No.

P.O. BOX 633, MIDLAND TX 79702

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

860' FNL, 1640' FEL SEC. 24, T41S, R24E

5. Lease Designation and Serial No.
14-20-603-370

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

8. Well Name and No.
H-25

9. API Well No.
43-037-31010

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10/25 RON SNOW ON LOCATION - ATTEMPT TO CIRC. WELL WAS UNSUCCESSFUL

10/26 RON SNOW ON LOCATION - RU HOT OILER & CIRC HOLE W/HOT WTR - WASH TO 5340, UNABLE TO GO LOWER.
GOOD GAS SHOWS AT SURFACE

10/27 RON SNOW ON LOCATION - BLEED OFF PRESS - PUMP 102 SX CLASS B 1.18 YIELD, 15.6#/GAL CMT PLUG AT 4900 (544')

10/28 RON SNOW ON LOCATION - TAG CMT PLUG AT 4380' (OK W/BLM) - PERF W/4 SPF 1390 - 1394 - PUMP 225 SX CLASS B 1.18 YIELD, 15.6#/GAL THRU TBG & REG AT 1329' & OUT ANNULUS TO SURFACE - PUMP 216 SX CLASS B 1.18 YIELD, 15.6#/GAL FROM RET AT 1329 TO 200' - PERF 4 HOLES AT 200' - PUMP 45 SX CLASS B 1.18 YIELD, 15.6#/GAL T TOP OUT CSG FROM 200' TO SURF

10/29 ATTEMPT TO 1 IN 13 3/8 / 9 5/8 ANNULUS - TBG WOULD ONLY GO 4' BELOW GL (2' BELOW LIP OF 13 3/8 CSG)
RON SNOW SAID WHAT HAS BEEN DONE IS OK.

11/01 CUT OFF CSG - WELD ON PLATE, EXTENSION, & SURFACE INFORMATION PLATE

** THIS VARIANCE IN PLUGGING PROCEDURE APPROVED BY KEN TOWNSEND (ENGR SUPV) OF THE BLM

14. I hereby certify that the foregoing is true and correct

Signed S. Bailey for SHIRLEY TODD

Title ENVIRONMENTAL & REGULATORY TECH

Date 11/19/93

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side